Archbold Files
3d NG EXPEDITION FOLDER VIII-d1
Journals: Richardson, William B.

MAMMAL DEPT.

Arch. New Guinea Exped:

Re: Hand written daily log pertaining to activity at various camp sites in New Guinea., by W.B. Richardson

Dates: April 1938 - April 1939

25th B. Richardson
1938

General Account

Apr. 23 Hollandia New Guinea

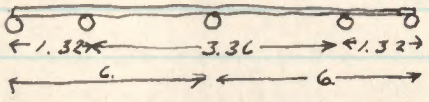
Our boat, the SS van Imhoff, arrived and anchored in the harbor of Hollandia at 8:00 pm in the evening. We were late in discharging the cargo because of a heavy rain, and a confusion in checking the cases. It was not until after 2:00 that we were settled with our personal baggage in the hospital. The doctor, a Malay, was very helpful in arranging our accomodation and helping us get settled. There were 28 Papuan Coolies which assisted us in clearing our baggage from the dock to the hospital about a ½ mile up town (inland from beach). Four of our Makassa Coolies slept on the dock to guard our cargo. The other eight slept at the hospital in a room adjoining ours. The personnel of the Indian American Expedition at Hollandia is ——

L. L. Brass — Botanist
H.R.V. Mjelde — Store man, Interpreter, etc.
H. G. Karsen — Radio Operator
B. B. Richardson — Mammalogist
11 Makassar Coolies. two of which are cooks helpers.
See list for name and their pay
1 Malay cook from Soerbaja "Asiet" pay 40 guilders a month a maximum of 60.00

Apr. 24 Hollandia New Guinea.

The morning after a make shift breakfast we began moving into what is to be our home for the next month or more. It is situated within 50 feet of the beach and 30 ft from the little river that flows through the south edge of the village. Here we have a 5 room house built in a native fasion with cement floor, pogo stem walls, and atap roof. Next door to the west we have a godown in which we are storing our supplies. It also acts as a house for the Coolies. Due to an error we received the wrong type of lumber for the ramps. This has necessitated placing an order with Mr. Ehelig who owns a saw mill beyond Sentani Lake. (10 Km by prow to Bim; 10 Km by foot path to Koeyale; 15 km by prow to Ifar, Sentani Lak; 15 Km by foot path to Dojo Bore; Total 45 km).

The plans for the ramps are
4 6 M x 6 M x 10 CM



Size and number as follows —

3.36 M.	3/10 of total
4.00 "	2/10 " "
3.00 "	5/10 " "

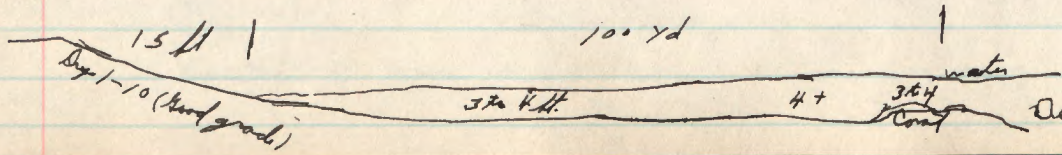
Cost —

£35.00	per cubic meter
£30.00	transportation to Hollandia
£65.	Total

More information about our living quarters and the godown. They are rented for a month or more from Mr. Brinkman (Sp.?) who is a German planter & has about 5 men. He is a long lanky bald headed man with a pleasant smile. He is a Jap. citizen & does not speak English or German. The "straight talker" (Sp.?), the government representative in this country is in bed with the fever.
Our work today has been making the loans smooth and to bring stores to our hired godown.

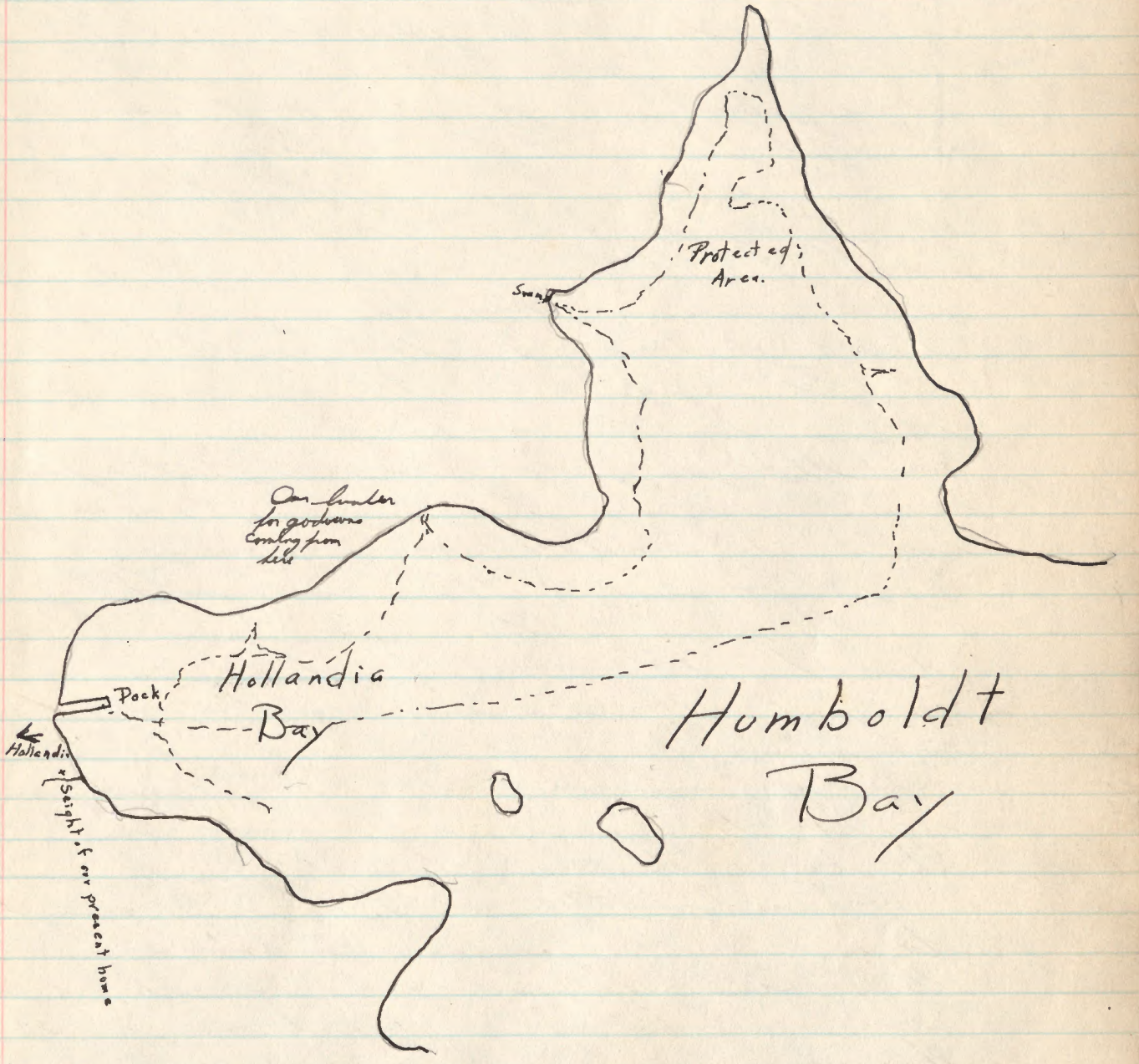
Apr. 25 Hollandia New Guinea

Todays work has been the selecting of the ramps sight and approach for the aeroplane, as well as the continuation of working about the kitchen and godown. The government resident, Mr. Voogland (Sp.?) has given us permission to put our ramps, godowns, etc. where we like. There is only one suitable place near the town of Hollandia for the ramps ±60 ft. south of the pier. There are many difficulties to bringing a plane up at this spot. The depth at high tide is about 4 ft and in that the plane draws 4 ft of water there is little room for clearance. The shore is somewhat like this. —



Wm B. Richardson
1938

General Account



The above is the route the Bears and I took this afternoon in the great motor launch kindly lent by Mr. Highland. During our search for a suitable airplane base we traveled along the entire coast line of the northern portion of Humboldt and Hollandia bays. There was no sight which was as good or better than the one we have in Hollandia. There was shallow coral reefs, high hills with abrupt faces, or swamps which spoiled each sheltered spot or probable base sight.

Harold Romm and I made a short survey of the region south of the pier for the ramp. This afternoon Romm continued the survey. The outcome is that there is a possibility that the plan may prove satisfactory. At best the airplane will be unable to come in only at high tide. The ramp will probably have to be made longer than the 150 ft that we had planned. In addition the coral reef must be blasted on area 10 x 30 ft. It may prove necessary to dredge a portion of the area to get it down to the needed depth.

The captain of the government steamer, who has been stationed here for 2 months +, told me that the only protected spot for an airplane anchorage was in the north easterly bay of Humboldt Bay. (See map on previous page.) He advised this as an anchorage spot for the plane. Three times since he has been here his govt. boat has been washed up near the coral reefs by the strong north east winds.

One marooner and 27 Papuan Coolies reported this morning for work. They spent the day cutting jungle wood for the godowns, etc. I would judge that we had nearly enough timber for one of the godowns. It amazed me to see the quantity they had piled on the beach. They is a bit of a despute as to the wage they should receive for their work. The govt. (Resayleber) said .30¢ per day, the coolies say not enough "no workis". The matter will be decided tomorrow. We sent them off happy with a portion of tobacco.

The Melanesian coolies spent the day doing odd jobs about the house and godown such as sorting cargo, washing cloths, building tables, and many other odd jobs.

They are beginning to run quite smooth about the house. The meals are excellent, well prepared

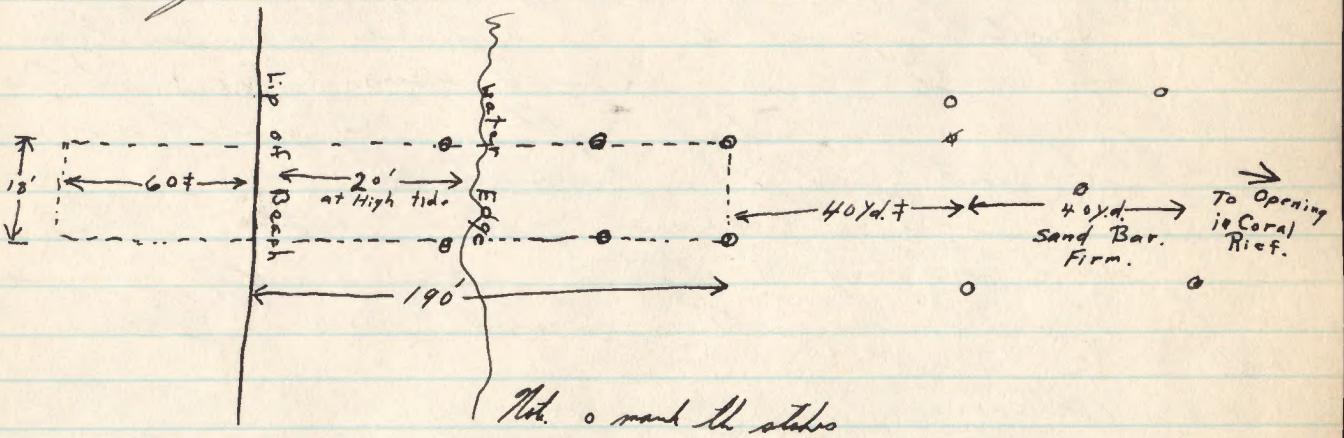
General Account

and nursing. All of the coolies seem to be very quiet and smoothly; and they show a fair amount of initiative. They seem happy for tonight they are singing songs to the accompaniment of a guitar. Some of the songs are English or American the words of which sound queer as coming from their lips.

Apr 26

Hollandia, New Guinea

This morning there was a light rain which delayed our work. Spent that time in the godown straightening up the stores. After the rain Nason, Brass and I made a rather thorough survey of the ramp sight. Stakes were put in outlining the best channel for the approach.



Measurements which I made this afternoon of the depths are as follows:

Datum Post	3'3"	(Within 4" of high tide) Time 4:35 P.M.
End of Ramp	4'3"	
15 Yd from end of ramp	4'6"	
Stakes at east side of bar	3'10"	
Stakes at west side of bar	4'0"	
Highest spot on bar	3'1"	

The above results closely check with those made this morning and computed for the high tide.

Tidal increase 1'9". between morning and afternoon surveys.

We have extended (on paper), the length of the ramp

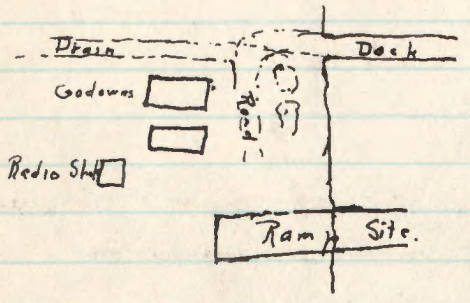
62 feet beyond the 150 ft. originally needed. This will necessitate ordering the remaining lumber from Mokmer or Soerabaja to be delivered next boat.

We have had a spasm Coolie trouble. After the rain this morning a few men struggled in asking for higher wages than the 30 cent. per day we had offered. This wage was recommended by Mr. Vogeland, the govt. official. This difficulty is due apparently to one or two trouble makers within the group. There were a few coolies hanging about apparently wanting work but they came late so we told them to return tomorrow morning. The mandoor for the prauwars was hired today, he is to be paid 30 guilders per month plus 40 ¢ per day for food. When Mr. Vogeland was informed as to the difficulty we were having he immediately wrote a letter to his officer at Sentani Lake asking for the required number (40) of Coolies. He is confident that we will be able to get them from there.

The Mokmer Coolies upset their time in building a kitchen, weeding cloth, putting handles in the hammers, adzes, picks, etc.

Apr. 27 Hollandia New Guinea.

This morning we staked out the sight of the godowns. They are to be built ☆ on cement floorings of an abandoned building, right to the north west of the ramp. It is the only available dry spot which is situated near the Dock, Ramp, and Road. The selected sight is is conveniently located and on dry ground.



This is a small dry spot to the south west (south) of the godowns that Ramon has selected for the radio shack. It has full view of the bay and is

General Account

situated close to arial trees.

Just back of the godown is another fairly high elevated spot which may be used for the white living quarters. Brass is going to negotiate the renting of a buying of two shut iron house facing the water and within 100 yd of the ramp. If the deal goes through it will not necessitat our building living quarters.

There were 25 Coolies from Hollandia and neighborhood which ~~arrived~~ turned up this morning for work. They cut more lumber for the godowns. This lumber is supposed to be straight grained, jungle wood of a durable nature.

This afternoon at 3:00 o'clock there were 36 Coolies from Sentania Lake wanting to work. After some dispute over wages it was settled upon that they work for 30¢ per day with rice or sago and tobacco furnished. They are to begin work tomorrow at 7 o'clock until 3 o'clock. They apparently prefer to work this 8 hrs out without a break.

The tide was checked again today. A chart was furnished by the ships captain of the govt. vessel which visited the tide for each hour of today. The high low tide was at 4:30. We put in a permanent gauge and recorded the tide at the ½, ¼, and ¾ hour of 4. The maximum tide at the end of the ramp was 4'7" and at the highest point of the bar 3'4".

Apr. 28 Hollandia New Guinea

This morning the godown sights were selected and the holes for the uprights dug. The remainder of the gasoline was brought under cover, beginning of a privy and other odds and ends of jobs done. This afternoon the Menado Coolies picked back all the grass boys.

The first of our labor problems are

over. This morning there reported for work 36 Coolies from Hollandia with an overseer and 37 Coolies from Sentani Lake two of this number acting as their overseers. They apparently worked well judging from the amount of logs they brought in. This evening we hired another overseer to take official charge of the Sentani Coolies. His pay is the same as the other overseers, 30 guilders per month and 40¢ per day for food. At present we are feeding the Sentani coolies 1½ lb. of rice per day. 20% logs that within a few days ago will be available which is a deeper foot in this region

Apr 29 Hollandia, New Guinea

Last evening the captain of the Banteng, a govt. vessel in Hollandia Bay, turned on his two 1000 wt. lamps to demonstrate their ability capacity. He too kindly offered to assist us in eliminating the ramp site for the night landing of the airplanes.

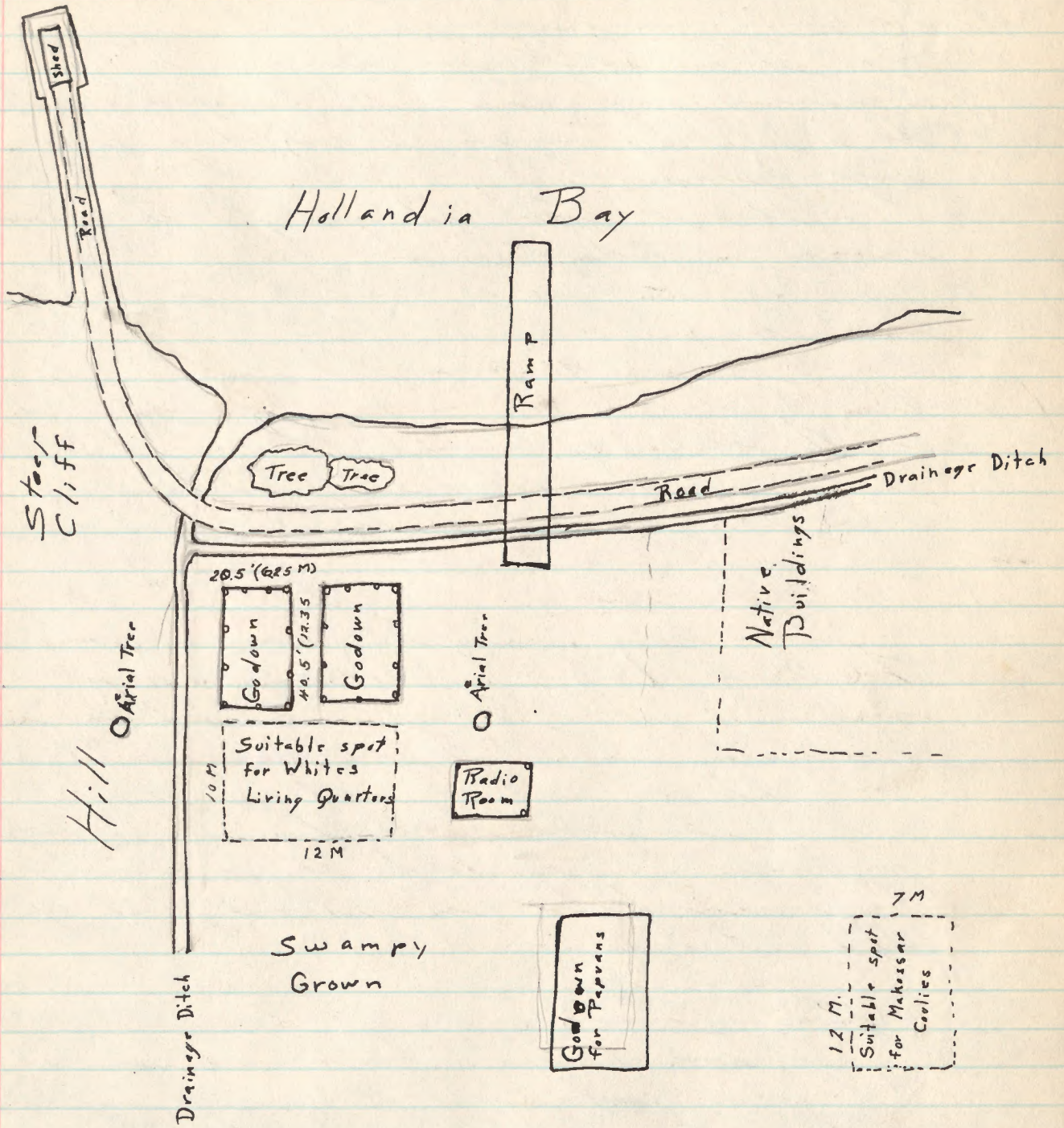
Todays work: Cut off tip of bank in preparation for ramp. Cut weight for the two godowns. Built oven and W.C. Started stoping the Papuan godown.

There were ~~87~~ 84 Coolies and 2 Moslems reported for work today, 32 from Sentani and 48 from Hollandia. 10 worked on the Papuan Godown and 15 moving dirt cutting and piling timber. The remainder of the coolies cut jungle wood for the ramp. They cut six pole in all of the following lengths 7.70 M, 7.00 M, 10.00 M, 10.00 M, 14.00 M, and 15 M. a total of 63.70 Meters of timber suitable for the ramp stringers.

This evening there were 5 boat loads of logs brought in. I believe this completes the 3000 stick ordered. It is to be used as the walls of the Papuan house and the roof of the white mens living quarters.

Mr. B. Richardson
1938

General Account



The above is a diagram of the lower (east) portion of ~~town~~ Hollandia when the ramp and buildings are to be constructed for the

Apl. 30 Hollandia, New Guinea.

Todays work - Construction or rather moving of a narrow gauge railway for transporting small loads for a hill. Cutting and filling of godown logs. Unloading logs.

There were more stringers for the ramps brought in today (Sentani) 16.4 M, 9.5, 9.6, 11.0; Hollandia 12.0 M, 12.0, 10, and one too small for use. Total 80.5 Meters.

There were 96 coolies that reported for work today 37 Sentani and 51 Hollandia. Twenty three (23) of the Hollandia coolies helped me about the godown moving materials etc. The rest of the coolies cut jungle logs for the ramps.

May 1 Hollandia, New Guinea.

Today being Sunday there was no work done. The Coolies of Sentani and Hollandia are so missionized that they refuse to work on Sunday. It is rather inconvenient for us in that we would like to crowd our work along.

We were invited to the home of M. Hoogland for dinner or rather lunch. It consisted of a large rice tuffel" the national dish of the United East Indies.

May 2 Hollandia, New Guinea.

The work today has been a continuation of building of the godowns; completion of the narrow gauge railway; filling of the swamp about where the tail of the airplane is to come and a continuation of the work collecting jungle timber.

There were 112 coolies reported for work today; 56 from Sentani and 56 from Hollandia. Each day there are more reporting for work. We will soon start weeding out the good from the bad.

There were four more ramp logs sent day about 10 meters in length. The logs also brought in a quantity of small sticks which will be used for battens on the godown and houses.

Wm. B. Richardson
1938

General Account

Another shipload of atap arrived today. We have not counted the quantity as yet but I believe this must be the last of the 3000 sheets of atap ordered. This will be used as well on roofing for the houses, whites and coolie.

May 3 Hollandia New Guinea

Today we continued working on the godowns. One of them is completely framed and the zinc plates are going on. On the other two the uprights and end plates in. There was a crew of Papuans who continued to move filling material to the end of the ramps. Another small crew with a Makassar Coolie in charge is laying railway out to the end of the dock. This rail will be very useful in transporting the cargo from the end of the dock to the godowns. There were as usual two groups of natives each with a "mandoer" cutting timber for building. One of them concentrated on long logs for ramp stringers the other on building timber (jungle wood). According to the Hollandia mandoer he brought in 5 logs for the ramps but was unable to launch them because of the very low tide. They are to be brought in tomorrow morning.

This evening the "gezaghebber" Mr. Hoyland came down to view our work. He seems to be much interested in what we are doing and has in an official way helped us a great deal. It is a comfortable feeling to have the government on our side, that is working with us rather than against us.

Todays labor lists was the same as that of the previous day, 112 Papuans ½ of which can from Sentani the other half from the vicinity of Hollandia.

May 4 Hollandia, New Guinea

The godowns are gradually nearing completion. They should be finished within a weeks time. Today's lumber crew brought in more building material for radio shack and living quarters and more

lumber (jungle) for the ramp. There is a total of about 241 meters of ramp stringers, two thirds of the total amount needed.

There is a similar number of coolies today as the past two days. This is slightly less than previously calculated. The previous two days coolie figures being in error. There is a total of 112, 51 Sentanis and 61 from Hollandia. We intend to decrease the labor force this coming saturday; pay day. The wadges of the coolies is 30 cents a day (8 hours work); 5 cents of the Sentanis pay is taken from their wadges for "maeken" (food). At present we are feeding them each a pound and a half of rice per day. We have put in an order for sago, this native food which is cheaper as it is supplied locally. The two mandoers Marcus and Cornelius receive for their labors 30 guilders per month with an allounce of 40 ¢ per day for food.
We have in addition to the Papuans 12 Malays. 1, the head cook Asit, from Soerbaya, and 11, including 2 assistant cooks and 9 coolies from Makassar. The head cooks salary is 40 guilders per month with a possible increase to 60 guilders. The second and third cooks receive 30 and 25 guilders per month respectively. The nine coolies from Makassar receive each 20 guilders per month. We of course furnish all of the Malays with food and lodging.

May 5 Hollandia New Guinea.

Todays work was a continuation of yesterdays program. One of the godowns is nearly complete and the other following closely behind. The two lumber crews returned from the jungle this afternoon with 6 sticks for the ramp, the rest of which is inferior or useless; and more jungle wood for building purposes.

There was the same number of coolies working today as yesterday (112 total). Twenty ± are helping

General Account

with godown construction and filling and grading about the building site.

A radio-gram from Rand today "Dyaks jump boat". This is a month later than we had anticipated. It is to our advantage in many ways for we will not have to worry about housing quarters for them for a while.

Today M. Schneider called in answer to a spot. M. Brass went to see him yesterday. He has consented to rent us his mission house for 15 guilders a month. This is to be remodeled into living quarters for six or more white men. This house will require considerable renovating and remodeling to make it liveable.

May 6 Hollandia New Guinea

Today has been a continuation of the previous days work. The two godowns are rapidly approaching completion; the first one is complete except for the door; the second is framed and half the sheet iron walls are up. Brass has been in charge of a renovation of the house we are renting from M. Schneider. A cleaning out of the refuse and a bath in hot water and creolene is well under way. Brass has found it necessary to replace some of the joists and floor plates as well as the floor. Welch began cutting the timber for the radio shack. This radio shack unlike the godowns will be built of wood rather than sheet iron.

This evening we had a visit from M. Hoffland and the police officer and M. Rola the doctor. The former two being the only white men in Hollandia, the latter is a Malay.

May 7 Hollandia, New Guinea

Nothing unusual happened today, the work progressing as we might expect. The godowns are nearing

completion with a few more pins plates to set and fit and the doors and windows to make as well as some shelving and benches which will be left to a rainy day. Brass is busy with the revamping of H. Schneiders home. New joists and flooring are replacing those destroyed by the termites. The bush crews returned with their usual supply of rango and building timber.

Today being Saturday the coolies (Santans and Hallandia) were lined up for their pay. They had worked 11 or less days with a maximum pay of 3.30 guilders. They all received their wages cheerfully and with little squabble as to wage or time worked. After receiving their pay they flocked to the Chinese stores and spent at least part of their salary for sarongs, pick packs to put their pay. One fellow opened his packet showing me a few dollar note like confections that he had purchased and was taking back to his compong. Other things that were purchased were as white cook caps, small looking glasses, oil cloth belts, soap, bright cloth for sarongs, etc.

This evening Brass is paying the April wadge of the Mekassar coolies and Javanese Cook.

The total pay of today - 375.98 guilders Hallandias - 158.80. Santabbas - 110.75. Hallandia mandoer (Marcus) - 9.90. Nine Mekassar coolies @ 5.00 - 45.00. Three cooks 29.78, 10.00, 5.75 respectively.

May 8 Hallandia New Guinea

It is Sunday in Hallandia and all workers accord the day in rest or religion or both. There are both roadstead and mohamadin religion in this small village, the latter being attended by the Malays and the former by Chinese and Papuans. From our house we can hear the sermons and the music. I did not understand the sermons being given apparently in Malay. Must presume that the music was not recognizable although

General Account

quite melodious with the harpsichord and voice.

This afternoon I hiked for about 7 kilometers along the trail leading from Hollandia to Sentani. It is beautiful country. At first the trail leads through the heavy jungle growing along the limestone ridge to the south. Then the trail drops in elevation along the edge of large sago swamps. Here in the sago swamps I met two groups of natives from Sentani. They were hunting and fishing along the creek. Their was a total of 5 fish (2 lb) which was probably the result of their days labor. There were 3 different types of fish. Two were some what like an bass. They were large dark blotches on their sides and they had a big head for the body. The other type was like an catfish except it did not have the spines on the whiskers. One of the natives, a young boy, ~~was~~ had a red complexion and a red curly hair. It was not the sun burnt red but rather a rusty red, which covered him from head to foot. At first I thought that he had been painted but on closer examination it appeared to be his natural complexion. I purchased two bows and 6 arrows from these people for 1 guilder.

May 9 Hollandia, New Guinea.

Today our work progressed seemingly slowly. Work was continued on the godowns and on the reconstruction of the white living quarters.

There were a total of 192 natives reported for work 51 ~~58~~ Sentanis and 61 Locals. About 20 of the locals helped about the godowns and the remainder cut jungle timber. One group concentrated on white timber and the other on rengo timber. The latter is apparently quite difficult to get but not as difficult as the white timber logs. These we need for the building of a raft on which

we will bring ashore the heavier pieces due on the boat the 21st of the month.

May 10 Hollandia New Guinea

There is still a bit of work to do about the godowns, cement the floor of one, patch floor of another, build and fit the doors, build shelves, etc. Bragg and Mielke are busy at the new residence. The former is putting in joists and beams, the latter building a kitchen.

Some number of Coolies reported for work today (112) 61 Locals, and 51 Sentonies. The gangs crews worked at ramp timber and timber for the float. Up to date there is a total of about 425 meters of ramp timber. This is 40 meters more than our ramps as planned needs. Tomorrow will be the last day at ramp timber. The excess is in case there are some timbers which prove unworkable.

Today a letter from Mr. Ebeli saying he was out of gasoline for his Ford engine that runs the saw mill. Tomorrow we send him some local gasoline as well as 3 drums of our aviation gas.

Mr. Kease, a german settler, called today bringing fruits, vegetables, and food for our consumption (Fl. 50). Included 2 big bunches of bananas (.50), vegetables of 3 varieties, 4 chickens, and 1 egg. He has offered to send us fresh fruits and vegetables twice a three times a week. Fresh food is always welcome to our larder although up to date, we have for the most part used only fresh food stuffs.

May 11 Hollandia, New Guinea.

The work goes on. A door is being made for the godown, cementing a floor, rebuilding at the new residence, remodeling new residence, and building the radio shack. We have accomplished a great deal since our arrival

General Account

but there is still a great deal more work to do. It will I hope be done ahead of schedule.

The jungle crews finished the ramp stringers a total of 480 meters some 80 more than we actually need. There is also a good supply of white wood in reserve; about ½ of what we will need for the construction of the raft.

The same crew of 7 natives reported for work today (112 total).

Brass bound pulley appears to be a portion of the lower jaw of some mammal similar to the mission bears. (Our new visitors). I am uncertain as to its classification. It will be returned to the museum for identity.

May 12 Hollandia New Guinea

Today we completed the cementing of the pyramid godown the other one had a good cement floor which belonged to a previous building on that site. The kitchen and living quarters of our new residence are approaching completion and the upright ones in for the radio shack.

The same number of natives reported for work. The jungle crews concentrated on white wood for the float. One more day should complete finish their work with white wood.

Late this morning two navy airplanes settled in Hollandia Bay. They were an old (6 or 7 years) model Fokkers with 2 motors and wing spread of about 75 ft. They certainly impressed the people of our fair city. According to the radio operator who lived with us tonight they are scouting the coasts of New Guinea, Borneo, etc. looking for Chinese fishermen or rather Japanese fishermen who are inside the 3 mile limit without the necessary permits. The Dutch are worried about spies of the Japanese variety. The best catch of these pilots was nine in one month.

May 13 Hollandia, New Guinea.

The work goes on. The door for godown II is done

and I have started cutting wood for the shelves. Harold began a shed for the Polar electric unit. Bass worked on some of the rotten beams in the house while Mitch jumped about between kitchen, radio shed, and odjs engs.

The jungle crews have brought in enough white wood for the gaff. as well as some small wood for gas on the atap buildings.

The food for the 51 Sentani has up to late been 1½ lb. per man per day. Yesterday and today we received sago, this is natural food and so we have changed their diet back to this normal one. The sago comes in a basket 40-50 lb. each. and is delivered at .55 cents per. 5 cents is for transportation. Up to date we have received 14 baskets, 3 yesterday, 11 today. To look the sago is like a thick brown flower paste, and when cooked it a brownish translucent mass of jelly-like mass. There has been some dispute as to the quantity to feed. The doctor says 1 basket for 46 men per day while the grizzled lake M. Hookland says that 1 basket for 50 men is enough. M. Brass, however, thinks that more should be fed and suggests that the Papuans be given all they want but none be wasted.

May 14 ~~Hollandia, New Guinea.~~

The work goes on slowly each day a bit more accomplished and gradually on tasks are completed. I worked on the shelves in godown II today, Ron on the generator shed, Brass on the white washing and Mitch on the Radio Shack and kitchen.

We reduced the number of coolies this evening by 22. We selected the best of the 61 Locals leaving 39 and the Sentani 51. This coming Monday we will weed out the Sentani coolies. There was a round of tobacco this evening and a pay of the Locals F1.80 guilders.

25th B. Richardson
1938

General Account

Two more baskets of bags arrived today. I am hoping that this will be enough with what we have and what may come in to keep the Sentanis in food during this stay. It is cheap food and the people are accustomed to it.

May 15 Hollandia, New Guinea

Sunday and a day of rest and leisure for our times as we are to do as we please. At 4.30 this morning I left Hollandia in a canted prow (50) and started toward Sentani Lake. The route traveled was along the western coast line of Humboldt Bay past Tobati to Pim. At Pim we left the prow and traveled by foot path for about 9 kilometers to the edge of Sentani Lake, and then by prow again to Mr Schneiders home on the south eastern edge of the lake. Had lunch with the Schneider family, his wife and small daughter, and then returned by prow to the eastern edge of the Lake and by foot path to the shore of the bay (9 km). We started back by prow but found that the bay was too rough and so three of us were let out and returned by foot path from a point near Tobati to Hollandia a distance of about 13 km. During the day I visited the home of two Europeans (Germans). Mr. Schneider the missionary and Mr. Brinkman a planter 2 km from Pim.

May 16 Hollandia, New Guinea.

Today our work progressed rapidly and well. The floor on the radio shack, steps going on the European residence, shelving in godown II, began laying bricks for the ramp, and the float is well under way. The crew that have in the past been in the jungle collecting wood for building were today kept in Hollandia to help about our work. The increased number of men has made and the work they accomplished

made it appear as though more than usual had been accomplished.

Unbeknown to me Mr. Bragg ordered an additional 3000 sheets of atap. This has been duly ordered and delivered through govt. channels.

Today we again reduced our labor line by weeding out the poorer workers of the Sentani group. We fired 19 men and 1 quit making a total of 20 Sentanies less than we had before. At present our crew of Papuans is 37 locals and 32 Sentani. The group as a whole is good the individuals are not speedy but they do a good days work when you consider the wages of .36¢ per day without food or .25¢ a day and board.

We hired a ~~carpenter~~ local carpenter today who is at present making a table for our new residence. His pay is 1.00 guilder per day and he feeds himself.

May 17 Hollandia, New Guinea

Our godown is complete shelves, floor, doors and all. Today I started shelving in Meilahn's godown and should have it completed by Friday. The rafters are going on the radio shack. Logs are carried and being put in place for the ramp; European house is being white washed; hall room is going up and the raft is about ½ completed.

A heavy rain this morning delayed our work this morning but in spite of it we apparently accomplished a good deal.

A telegram to the government here today says that there are 7 large cases arriving on next boat 2 of which weigh 7000 kilos. Our raft when completed should be able to bring them ashore.

May 18 Hollandia, New Guinea.

Todays work progressed much as usual and providing nothing happens of an unexpected variety we ~~are~~ should be ready for the cargo when it comes on Saturday. The living quarters, the radio shack and the godowns are all

General Account

nearing completion.

There is the same crew of coolies working as on the two previous days a total of 69. The carpenter we hired three days ago worked one day and quit. He was in the midst of roofing a dining room table when he decided that he would like to have a month contract. What he needs is the "sack" with plenty of Salt.

May 19 Hollandia, New Guinea.

Our work goes on — tomorrow should be the completion of the godowns, radio shack, Canopean house, kitchen, washroom, and W.C. as well as the raft.

Today Mr. Chelli came in. He report that he has cut 450 pieces of our lumber, 40 of which is at Pim and 200 more on the road to Pim. There is some 50 more pieces to cut. Apparently transportation is holding him up. This difficulty is due to the fact that the customary wages for him to pay natives is .10¢ per day and we have been paying ¢5 and 30¢. The Papuans are holding out for higher wages.

This evening the geogt take is ~~is~~ coming for dinner. We are entertaining the government.

May 20 Hollandia, New Guinea.

Today we finished the godowns, the radio shack, and our own living quarters. The one big job ahead of us is the construction of the airplane ramp. This ramp is started but there is still a great deal of work to be on it yet.

Last evening we advanced Mr. Chelli £130.00 for the payment of the coolies for the transportation of his lumber to Hollandia. Today 33 pieces of our ramp planking arrived and we again hope that it will all be in within a few weeks

Tomorrow the monthly boat is due to arrive with an cargo from New York as well as additional supplies from Lae Lae, Dr. Rose is also aboard and possably another cook for the inland party.

May 21 Hollandia, New Guinea.

Today there was little work accomplished because of the completion of most of our tasks and the continual expectation of the ship with our cargo. The boat has not arrived as yet and it is now 7:30 in the evening. It was difficult to get things accomplished as even the small jobs for the population of our little village has doubled & trebled due to the boats expected arrival. There was too many spectators to distract our boys. At present we are waiting for the boat and we will probably a hard nights work ahead of us.

This evening I purchased a Phalanger from a native (see species account) and spent the evening preparing its skin. It is my first New Guinea mammal.

May 22 Hollandia, New Guinea.

Sunday and our day of rest was spent in one of anticipation for the K.P. 17 ship due yesterday morning has not arrived as yet. We have all become impatient but there is nothing we can do but wait.

Mr. Woodland, the Sergeabber, is I imagine the most impatient for his wife to whom he was married a month ago by proxy is due to arrive. He had planned an elaborate reception for his wife coming. The streets have been cleared, a large arch with a "welkom Hollandia" erected, two native orchestras, a dance ceremony, and an elaborately decorated church all for the bride. Yesterday he sent about an invitation to the reception and various functions

General Account

of the day. Today I sent about a mat of cancelation of planed program. Below is the invitation:

Today M. Brass caught in a man trap placed by our Makassar Coolies in the godown for Papuans. The result was a severe blow on the head by an iron bar.

Wilem one of the local coolies came to me and asked for the use of one of the godowns as a sleeping quarters for his and his friends families. It was granted and a little later he returned and asked for a lock and key saying that he wanted to shut the women and children in while the men were going about. Not very trusting of this fellow Papuans.

May 23. Hollandia, New Guinea.

This morning we began our work as usual regardless of the last coming of the monthly boat. By noon 12:30 the boat appeared after a delay of 2 days and 3 hours. Our work changed to one of shifting and stacking cargo rather than the building program of the past days. It was not until 2:00 o'clock the next morning that we finished stacking

the shipment.

Lieutenant Schraeder, who is to be in command of the militaries base station, to be constructed here arrived. He knew that he was to be a member of the expedition but we did not know when he would arrive; though it might be the following boat. With him are several (10 or 12) soldiers who are to assist in the construction of buildings. He has also a large supply of cargo, equipment and provision for the 60 soldiers, prisoners, and Dyaks, which are scheduled to arrive next boat.

Dr. Rord also arrived. He, the assistant leader of our expedition, has been for some months (4 or 5) in Java arranging for and getting permits for our work in the Outer East Indies.

May 24 Hollandia, New Guinea.

Today has been one of shifting and arranging cargo within our two godowns. It takes time and patients to arrange things in a systematic order.

Today we paid the boys (coolies) again. Six quit and one fired. (2 locals and 4 Sentanis) leaving a crew of 60 Papuans, 27 Sentanis and 33 locals. I hope that you do not leave in the morning although it would not be serious for we are confident that we will be able to get more local labor if needed.

May 25 Hollandia, New Guinea.

Our work went on much as usual today. This morning I finished arranging material in godown 1 and this afternoon I moved material from Birkhoven godown to 1 of our own.

Wm. B. Richardson
1938

General Account

There was no labor trouble, our picked crew all returned for work. One man previously fired tried to ship in under an assumed name and the same being tried to collect money this evening for two days hard work. He was fired some time ago for being a shiftless lout; the laggest of his kind.

May 26 Hollandia New Guinea.

The work goes on. Reed is building the pont, Howe on the radio; Brass checking stores and I have started the Makassar Coolie House. This house is being built directly behind the two godowns on an old fill; apparently the foundation of a previous building. The building is going made 6 x 10 meters. The posts are set 60 cm. in the ground. The floor 60 cm above the ground, wall 2:30 cm. and a ridge 1.50 cm above the wall plate. It is being built of jungle wood and atap with the exception of the floor which is soft wood planking.

Most of the coolies (same number as yesterday) coolies worked about the buildings today. A small crew of 10 or 15 went for timber and returned with 21 logs suitable for joist, plates, and ridge pole.

Sickness in our Papuan crew has been relatively small; three were ill expected cuts and bruises the worst of which was a leg split to the middle with an axe. Our Makassars however have been sick a good deal of the time. Of the total of 12 we had (now 14) they averaged 2 to 3 men sick per day. Their illness is principally malaria but one of the boys (Hasan) has grim swelling that has kept him confined for the past week. Yesterday he was to have had an operation. I did not see him today but reason that

it was successful.

May 27 Hollandia New Guinea.

I accomplished what appears to be a good deal today. The Makassar Coolies have worked on building (1½ days) is now completely framed, the uprights are in, the wall plates and ridge pole in up, and the short planks for the floor support are set. Tomorrow we will begin the rafters and uprights that carry the ridgepole. Hope that it will be completed next week.

This evening we received our first music and voice over the Radio. This evening about 6 o'clock we could without trouble get various stations in the U.S. They came through clearly and plainly. Harold estimates that it will take about 1 week more to completely set up the radio.

Rand is busy with the paint. Two days now should see it completed or nearly so. Brass and Mathis are at work on the ramps. Brass laying the timber and Mathis cutting the joints. The ramp is the big remaining job. It is heavy timber work and later on our work may be limited by the tides.

M. Schrader, the lieutenant, is now at work constructing a godown for the military supplies. He is building on large the ones (7½ X 30 M) which should be ample for ample for his store. He is building along the road just to the south of our Sentani lodge. Here there was a cement foundation or floor which will be of use. This evening saw the spot cleared of rubbish and the corner posts set.

May 28 Hollandia New Guinea

Today work progress rapidly and well.

25 m B. Richardson
1938

General Account

Finished the rafters and put a step on one side of the roof. There was a crew of 8 working, 4 tieing, 2 feeding steps, and 2 cutting rotan. The step is put on a bit slope except every sixth, (100 x 50 cm) is tied down by twisting the packing stick to the rafter. Today Hardy put a pully in a place tied to the peak of the godam. It is some 100 ft above the ground and form a span of about 100 yd to a cocoanut palm near the radio shack. This long guy is to be used for 600 meter band. Brass worked at the rope slicking. With the aid of an electric drill, it was able to lay about 15 ft of slicking. Wiebe continued with the cutting and joining of the rope rigging. Ford supervising the caulking of the bottom of the yacht. It is a very slow job. It will take a day and a half or two days to complete the bottom caulking. We looked over our stock of lumber for material for a boat but found nothing that would be suitable.

May 29 Hollandia New Guinea.

Today is Sunday again, a day of piece and quiet for the Cowits and Church for all good Papuans.

This morning Wiebe called for me at 6:30 and by 7:00 we were on our way to Tobati, the Kampong. Along the coast by prow is a beautiful. The first half of the way there is a heavy jungle coming down to a rocky limestone shore, the latter half being a sandy a swampy beach with cocoanuts a pandanus. The islands and the irregular coast line as well as the coral reefs beneath add to the picturesque part of the trip. Tobati,

one of the Gogea villages on the eastern part of the bay is situated in the river bay a few miles east of Pom. It consists of 75 or 100 houses built at over the water to either side of a elevated walk made of split coconut palm trunks. I walked along the village walk and into the communal house for men. It was a rather poorly constructed house of rough lumber and clay. The inner platform consisted of ~~a~~ a high platform in which were kept the dance ornaments and a few personal belongings. These dance costumes were of a pandanus type with beads, paper and colored paints mixed in with the native goods. Cassowary quill predominate the plumes of the head dress, while a few had plumes of the bird of paradise. There were no communal shrines or bora mat in their decorations. Hanging from the roof of the men house were sacred objects as pigs skulls, tusks, fins, rotan loops, and the like which I supposed had the effect of magic on the inhabitants. Women were forbidden to enter the house and as far as I could discern were even within 75 ft. of it. Young boys were also forbidden to enter but they however frequently squeeze into the house and remained there until chased away with yells and gestures by the elders of the boys. The eldest boy which remains in the house was of an age of about 15 years.

Returned to Hollandia at 11:30 this morning in time to dress and accompany the group to the home of Mrs Hoagland for a nice buffet. It was an excellent meal the kind that calls for a siesta afterwards. I slept until 5:00.

This evening we tried out one of the portable radio set. The transmitter is not working nor is the 3rd band on the receiver.

Wm B. Richardson
1938

General Account

May 30 Hollandia, New Guinea

The work today progressed much as usual. today. The planking on the ramp is going on, and tomorrow should see it up to the top of the beam. The ramp stringers are going along slowly. Hope that they will progress more rapidly now that the crew understand their work. Ream worked at the radio and Ned had our coolie gang. The roof framing is laying the atap on the roof will start in getting on the floor and the walls. We still have trouble in handling a large crew (8 or 10) persons for each thing they do must be done right by signs. I have learned some Malay but not enough to give an intelligent order.

May 31 Hollandia, New Guinea

The walls of the Makassan house is ready for atap, tomorrow it will go on. Harold is busy with radio, a one man job. Wild is working with the ramp and aerial pole. Bass is laying the ramp decking and Ned starting the building of an adjoining house for the Europeans.

Paid off or rather paid the Makassans their monthly salary.

This evening Wilen one of the Tobati boys asked for a raise in salary for the local labors. If was refused and as usually tomorrow there will be a shortage of labor, a strike in our labor line. It is no "buddy" good to ask for a raise in pay.

June 1 Hollandia, New Guinea.

Today I completed the building of the Makassan coolie house. It has taken less than a week (5 days). There still remains a bit of flooring to be put in but this will come late, on delivery of palm stem strips.

The work of the others goes on much as usual with good accomplished each day.
Purchased two (2) Phalangers from the Papuans today. (See species account.)
Paid off & with paid the monthly salary, 1 guilder per day and 40 c.t. per foot. They signed happy and they should for it is a long salary for this region.
Some dispute as to Sentani regulations. This cook is doing his cooking within the large room and not using the small joining cook shed. The reason for this being that the draining is poor there and after a rain it is mud like a swamp. They will be allowed to continue their work of cooking in the building and we hope that it does not burn down for it would endanger the radio shack and Mohassar house. The food for the Galamis is at present sago twice a day and as much as they can eat, and rice once a day 6 tins or 12 lbs for the 25 men.

June 2 Hollandia New Guinea.

Last evening one of the Phalangers (No 2#) escaped and so the need of a proper cage for the remaining animal and others that I hope to receive. With the aid of Unis my master cook the cage was built this morning. With a mat for a frame extended with sticks and a wire screen covering three sides (in part) and the top a large strong cage was constructed. This afternoon I spent supervising the cleaning up of the Mohassar Cook house. Other work goes on as usual. The rafters and floor are being laid on the European house #2 adjoining the one which we rent from Mr. Schneider. The camp is progressing rapidly now days past the top of the beach with the planting

General Account

and well in the water with the stingers. I estimate that about 100 feet of the 250 ft has been completed. Two weeks should see it completed.

Last evening ~~we~~ Harold went on the air for the first time. The equipment is working well, far better than we had expected. The operator in ~~Wa~~ Oklahoma was contacted who informed us that Archbold with the Guba was leaving the U S in 35 hours. This information was received from another radio operator in San Diego. I hope more information will come through this evening. A call was sent to Archbold this morning by Rand stating that it would be two weeks before we would have the rings completed.

June 3 ~~Hollandia~~ New Guinea.

Began a small building today to house the photographic equipment. It is to be a shed-like building with a peaked roof, one full atap wall and three half walls. Size is approximately 3.50 M X 3.00 M. It is located between the wood house and the new European building being built ~~on~~ adjoining Schnedler building on the north.

The ring is moving on rapidly considering that work is limited to low tides. The floor is in the new European house and judging from the rate that it is progressing it will be completed in two days.

Harold has been working at the radio all day today. Last evening it was informed by the Oklahoma radio operator that Archbold was leaving in 9 hrs. for New Guinea. ? that is true he

is at present over water between Hawaii and California for it will take about 12 hrs to get the flight. Today I will hear both Hawaii and Sandiego operators talking with KH6AHX the Syba. This evening we may receive further news. I shall go and see.

June 4 Hollandia New Guinea.

I accomplished little or nothing for my coolies were recruited as part of the strike crew. There was need of a small bridge in the construction of a road next to hold the crane down.

We followed the last part of the flight of Syba last night. It arrived safely in Hawaii about 1:00 this evening. There is further secrecy tonight in which we may learn more about the plane and its plans.

June 5 Hollandia New Guinea

Sunday and no work. Rand and I took a walk this morning north east through the mangrove and sago swamps and into the jungle. It was a poor forest most of it having been cut over or where virgin consisting of relatively small trees. Rand managed to secure several birds (3) none of which were of particular interest to him, that is they were not rare or unusual. The only mammal signs we saw were tracks of a medium pig rat in the mud flats and of the sago swamps and pig tracks and rootings throughout the region. They were however more numerous in the sago swamps or the cut over grass land and border forests.

June 6 Hollandia New Guinea.

Today being a religious holiday all

Mrs. B. Richardson
1938

General Account

of our Papuan laborers remained in this camp. What little work we did was carried on by our Makassar cooks and the two mandors. We concentrated on laying the ramp flooring finishing 4 more or less meters. We will soon be out of timber to lay unless some is delivered tomorrow.

We talked with Archbold and Rodgers last evening. They are in Hawaii and leaving tomorrow 11:00 am time for Wake Island. From Wake they will fly to Hollandia arriving late on the morning of the 10th. We hope they have a safe uneventful journey.

June 7 Hollandia New Guinea.

Today I built a frame for the waves. Rand tarred the punt and began the top planking. Atap is going on the roof of the new house and the ramp progresses slowly seaward. We are at present rushing all work for the arrival of the plane on the morning of the 10th.

Purchased (2) two Cuscus today a price of 2.50 guilders.

This evening Rand and I took a walk along the trail by Sentani. Last evening during Rand's walk along the same trail he noticed ~~it~~ a light of small insect-eyes ~~late~~ crossing the trail. We were determined to trace the light to the cave or room from which they were coming. The cave from which they were coming is located just south (.65 ± .05) of the Dan Sirlin residence at the top of the hill facing Hollandia. Rand as he approached the entrance saw the chiyons (2) flaying the rocky mouth of the cave which has been more or less played by natives. On

approaching the entrance the flight out ceased with the exception of an occasional one or two. This flight though the biggest was one of the most interesting things observed. The first bat was seen about 5:30 before the sky was actually darkened some 250 yd south of the actual entrance. In general flight was along a path westerly (10-15 m/hr) southerly through the jungle. They were flying low (5 to 10 ft) through the darker parts of the jungle, boarding a small area. They seemed to be silly as no feeding or flight but rather a determined flight toward an assumed feeding ground. I shall make further observations later.

June 8 Hollandia New Guinea.

This morning was spent in the water with three Papuans removing coral blocks along the channel which the airplanes are to use coming into the range. Three large blocks (4 x 3) were broken down and removed and another 3 drilled in preparation for the blast. High tide this afternoon prevented work on the reef so we resumed the work on the photographic room. Ate stick on going on. The range, across to the hills, the paint progresses slowly but surely.

June 9 Hollandia New Guinea.

The rain which has been practically continuous throughout the day has slowed our work down considerably. This morning regardless of rain I removed several more of the coral block. The cold water (from storm) and air cut our work shorter than I had expected. The cooler air quite effected by change to colder conditions. The work on the range and paint as well as the area progressed slowly.

Wm. B. Richardson
1938

General Account

Purchased (2) two Phalangers today, a mother with or young (see note on specimen account).

The Gilba is at present on it way to New Guinea, the last lap of it flight. It will arrive here tomorrow morning about seven o'clock, leaving Wake Isl. late this afternoon. Only a half hour stopover will keep us in contact with the plane.

June 10 Hollandia New Guinea.

The big event today was the arrival of the Gilba this morning about 6:00. It came out of the clouds to the east, circled Hollandia Bay and settled in Humboldt Bay beyond "Cyclops". The rest of the day was spent in acclimating the six new arrivals to their new home Hollandia and at the same time trying to accomplish some work. I drilled four holes in three niggerheads in the coral reef channel and set 5 charges of dynamite only one of which went off, the other 4 were duds. The caps seem to be defective or else we did not make the set correctly. The one that did go off made a beautiful job of it almost completely shattering a large niggerhead. The fish that were collected after the blast included 13 different kinds. They were not saved. The new members of our expedition which arrived today are —

Richard Archbold
Russell R. Rodgers.
Gerald D. Brown
Raymond E. Booth
Steve Barrinka (Sp.?)
Cap. Lon Yanchy (Sp.?)

June 11 Hollandia New Guinea

Work has been rather hit and miss today. This

morning I helped Archbold lay a few (2) charges of dynamite in the coral reef and produced around it this and that the rest of the morning. This afternoon layed planking on the ramps for several hours and then piddled" about for the remainder of the day. We are quite upsetted here at present. The six "prisoners" are slowly becomming acclimated to their new environment and we (Reed, Brass, and I) are adapting to turn the work of the base camp over to them so that we will be able to start our scientific studies shortly. I hope this comming monday, day after tomorrow.

June 12 Hollandia, New Guinea.

Sunday today. This morning Dick and I went into the cave previously found by the ~~me~~ Reed and myself back of the Van Gaulens home stead. We were in the cave for 1½-2 hours, and traveled over about 500 yd of the cave. The cave is the result of stream erosion (only during rainy periods) which has cut a rather narrow (average 6ft wid) channel through the lime stone formation. There are no large rooms and only few stalagtites and stalagmites and they are poor being dirty and brittle. This evening I returned to the entrance of the cave to collect several specimens. One shot with the gun into the entrance netted two and that two more with a stick as they flew out. See species note Hipposideros

June 13 Hollandia, New Guinea.

This morning I skinned the four bats obtained yesterday evening and organized my collecting equipment. This afternoon I set out 100 traps, 60 rat traps and 40 mouse traps. The line begins on the west side of the trail (leading to Sentani) 1,300 ft beyond the summit (Van Gaulens). From the trail it runs west up the mountain slope to the summit of the hill and then down the hill on the north slope to the brink of the lime stone cliff. The line is

Wm. B. Richardson
1938

General Account

a quarter of a mile in length or more and through a forest which has been selectively logged, that is logged in part for certain desirable timbers. Just above the high water cliff was what might be called the only virgin forest in which the traps are set.

June 14 Hollandia, New Guinea

From the 100 traps, 40 more traps and 60 rat traps I took this morning 1 Melomys.

One ~~Rattus~~ Chrysomys was killed last evening by our Sentani Coolies north east of Hollandia ½ kilometer.

Late morning M. Brass sent me a note saying that some natives had just obtained a Bolicose. I proceeded to the spot and obtained a complete skeleton of the beast.

This afternoon was spent in preparing the specimens. This evening four coolies and myself went hunting north east of Hollandia ½ kilometer in and above the sago swamp. The only evidence of animals in that vacinity was wild pig. We only heard them disturbed retreat through the brush, and their rooting spots were common.

June 15 Hollandia, New Guinea

From the 100 traps took 1 Melomys this morning.

Spent the rest of the morning preparing specimen. This ~~morning~~ afternoon was spent in setting 100 more rat traps. These were set ½ kilometer south east of Hollandia proper in the widened place or path which leads from the north into Hollandia Bay. The vegetation ~~about~~ where the traps were set was a thin second growth forest principally of soft woods. The trees were all small the result of cutting, and shading the area as well as the changing river course. Beneath

those scattered trees is usually a good matted grass but sometimes there is low thin brush, or litter. In one area (small) there is rather open bamboo which is for the most part solid low other plants growing in with it except about the outer margins.

This evening I revisited the bat cave (see Species Notes for Hipposideros)

June 14 Hollandia, New Guinea.

200 traps — 3 Melomys. This three were taken in the 100 traps set in the second growth forest above and to the south west of Hollandia.

(See June 14 Species Notes) One of the cuscuses (not previously mentioned in notes) died last evening. It was brought in by natives from the "[illegible]" (Sp.?) It had during its capture received a severe wound in its fore shoulder.

This afternoon I purchased a young Phal from a native for .05¢

This early afternoon I spent hunting up the canyon and back along the open north north east of Hollandia. It is a rugged region covered with a second growth forest.

This evening I revisited the bat cave and obtained 12 individuals by knocking them down with sticks — the flow at the entrance.

June 17 Hollandia, Netherlands New Guinea.

200 traps — 1 Melomys, 1 ~~Varan~~ Echymipera.

(See species accounts)

This afternoon the boys while relating the traps found a long-lizard — the reptile in one of the traps which was set in the open second growth forest with a heavy grassy undergrowth.

Two Hipposideros were taken the late morning from their roost in a small hole in a jungle tree.

General Account

The entire day, with a slight interuption this afternoon by the KPM was spent in preparing specimens.

The remaining members of our expedition arrived by this boat. From the information I have collected there are 73 Dyaks, 50+ Soldiers, 30 Soldiers carriers (prison labor) 2 Dutch scientists with their 6 helpers, and 1 radio operator.

Yesterday afternoon the leader of the military party Cap. Terwish arrived on one of the three Dutch navy planes which patrol the waters of New Guinea.

June 18 Hollandia, Netherlands New Guinea.

200 traps — 1 Melomys.

Checked the traps and prepared specimens this morning. This afternoon most of my time was spent observing the Cuscus and Clearing the Dongas skeletons. Today is quite uneventful with the exception that this morning an adult ♂ Pitheyan was brought in by a native.

June 19 Hollandia, Netherlands New Guinea

200 traps — 0

This morning several coolies came in saying that they had taken another dogsing. The dead one was saved for specimen. (See species notes Halicore)

This afternoon was spent doing a little bit of nothing, doing odd jobs, things that I had put off for a spare moment, and today Sunday was the day.

The most eventful thing today was a short talk with my sister and brother in law via the radio. It was good to hear their voices again although it was only for a short time. Reports were that all were well and happy in our family circle.

June 20 Hollandia, Netherlands New Guinea.
199 traps – 0

This morning there was a sorting of the Dyaks. I retained three as my collecting boys. Their names are "Bounding," "Lowalaso" "Jalengapsoe." Our first task was to learn something of the art of collecting. We set out 195 traps along the base of the rock cliff to the west of Van Suiles, and gradually up the hill steps to the saddle between the third and fourth knobs (small) west of Van Suiles. From there we went down the opposing gulch a short distance, and then on to the west facing slope and up the slope toward the summit. The forest for the most part was quite dense with thick undergrowth and semi open jungle type. The floor was of a rocky (limestone) nature and thinly but well covered with leaves of trees.

This afternoon I spent in the field showing the Dyaks something of way to obtain jungle mammals. We spent 4½ hours cutting, burning, trapping, and looking about for signs, steps, lith, etc but found nothing. This uneventful search was done in the jungle north west of Hollandia 1 – 4 kilometers.

This evening the Papuan collectors brought in 14 Hipposideros.

June 21 Hollandia, Netherlands New Guinea.
394 traps – 0

This morning we were up at 4:00 in preparation for the first of our reconnaissance flights. At 6:00 we left Hollandia flying over Sentani Lake and then up a river to the direct line to Paro River on the Idenburg River. From there we went over Doorman Top to Habbema Lake

General Account

circled about the lake several times and then returned ~~to~~ to Hollandia via the same route taken in. (See note taken on reconnaissance flight).

This afternoon a Papuan from Tabadi brought in a prepared Cuscus skin. Spent part of this afternoon showing my 3 Dyak boys how to prepare a flat skin.

This evening one of the Dyaks brought in a live Rattus which he had caught in the grass near our godowns.

June 22 Hollandia, Netherlands New Guinea.

391 traps – 0

This morning I developed pictures and for an hour after lunch. The remaining part of the afternoon was spent in teaching the Dyaks to shoot with a gun, and doing odd jobs about the place. Caught a lizard in one of the traps set in the rain forest. A large python like snake was brought in by the natives. They had captured it in the jungle south east of Hollandia across Humboldt Bay. Another smaller snake was brought in by one of the Dyaks. A Makassar cooks trod on it while he was walking along a grassy trail near the lower (mouth) part of Hollandia River.

June 23 Hollandia, Netherlands New Guinea.

391 traps – 0

At noon an adult ♀ Phalanger and its young were brought in by a Papuan.

This evening 3 very young Rattus were brought in by natives from "Cuyan Pulu"

This morning we made up the account of the reconnaissance flight. We flew to Sentani, Base Camp, Habbema Lake, Wilhelmina top, Habbema Lake, Great Valley, New Lake, Habbema Lake, Great Valley, New Lake, Base Camp, New Camp site, Sentani Lake, Hollandia. (See note on reconnaissance)

This afternoon I shaved the three

Dyaks methods of preparing flat skins.

June 24 Hollandia, Netherlands New Guinea.

391 traps - 1 Rattus, 1 Melomys

The morning was the 3rd of the reconnaissance flights. Approximate route traveled:- Hollandia, Sentani Lake, New Camp on Membramo, New Lake, Habbema Lake, circled about Habbema, Great Valley, New Lake, Great Valley, East along course of stream leading away from New Lake, Circled about the river, to Membramo River, Sentani Lake, Hollandia.

The afternoon showed the Dyaks the method of preparing study skins.

An adult ♂ Dorcopsis was brought in this afternoon by a Papuan.

A native from Sentani brought in a Rattus which he had caught in his company.

June 25 Hollandia, Netherlands New Guinea

391 traps - 2 Melomys

This morning two of my Dyak collectors brought in a Pogonomys which they had dug out of a hole on their return from their trap lines. (See species note) The morning was spent in preparing specimens. The afternoon in searching through the jungle in the vacinity of ~~camp~~ where the Pogonomys was caught for another of the same species. We were unsuccessful. The late part of the afternoon was devoted to preparing specimens.

The afternoon the son Papua came with another Dorcopsis skin ~~and~~ which he had recently prepared himself.

This evening one of the Makassar coolies came in with two young Rattus. (See species notes)

June 24 Hollandia, Netherlands New Guinea.

390 traps - 0

This morning (Sunday) Rayard & I took a brief trip to Engros and Sabat. We looked

General Account.

about the village, took pictures, bought a few pigeon-racks, and spread the word about that I desired cassowaries, wallabies, rats etc.

The afternoon was spent in preparing specimens and talking over the radio. I made my first contact with mother and father this evening through W.G.G.C.A.

This afternoon a Dorcopsis and an adult & Phalanger and young were brought in by the natives.

Forgot to mention that my Dyak collector caught a Echymipera and I purchased a Rattus from a boy in Tabati and a tail of a Dendrolagus in Ingros.

June 27 Hollandia, Netherlands New Guinea,

390 traps — 0

This morning was spent in another reconnaissance flight. It is the fourth and probably the last. Our route was Hollandia, Sentani, Camp #2, Nar Lak, Grand Valley, Habema Lak, back to Grand valley and circled about for a while there, back to Camp #2 on the Idenburg, along the Idenburg, Sentani, Hollandia.

The natives today brought in 4 Dorcopsis, and 1 Rattus.

June 28 Hollandia, Netherlands New Guinea

390 traps — 2 Melomys.

Yesterday evening the three Dyak collectors and I went hunting by flash light along the trail toward Sentani Lak. (south of Hollandia). Shot 1 Dorcopsis with one young.

The morning was spent preparing specimens and the afternoon in developing and cataloging pictures.

This evening one Dorcopsis was brought in by a native.

The Rattus prepared today was collected

by one of the Dyak cooks. It was probably caught near their dwelling quarters behind the godowns.

This morning Gudu landed on the Idenburg for the first time. They (Captain Tennink, Lintvart ? and Dick) inspected the region for a camp site. A suitable one was chosen and ten men and their months food and equipment were taken in this afternoon. At present they are loading the ship in preparation for an early start in tomorrow.

The two Malayan mandoers, who are to be left in Hollandia as collectors while an island was given 25 rat traps each to set in the jungle for rats etc.

June 29 Hollandia Netherlands New Guinea

440 traps — 4 Rattus, X ~~Melomys~~

Purchased (354) 1 Echymipera and another juvenile was brought in by Papuan collectors during this day but I thought the jungle. These two collectors also brought in a Melomys

This early morning I was in the cut over rain forest north of Hollandia. Late returned to Hollandia and prepared specimens. This afternoon attempted to show the two Malayan mandoers, Marcus + Cornelius the method of preparing mammal skins. Remainder of time spent in preparation of mammals collected.

This evening I went hunting with the flash light again. Along the trail to Sentani Lake south from Hollandia. I was not able to obtain a specimen but I had a quick glance at a Melomys-like animal as it scampered through the thick bushy cover of a limestone outcrop in a cut over rain forest. Also saw an Echymipera running along the trail through the

General Account

rain forest and along leaf covered open spots. It is quit possible that it was hunting for frogs and insects which were numerous in that area.

June 30 Hollandia Netherland New Guinea.

443 troops - 1 Rattus

1 Dorcopsis was brought in this evening by natives

This morning labled frogs and fish and prepared specimen. Afternoon I went into the jungle looking for mammal of any sort but was unsuccessful. This evening I again went into the jungle to follow the line of flight of the bats. (see my note of June 1 in Hollandia)

Lieutenant Schroeder kindly gave me the list of members of the military and styled scientific party. With that in hand I will make a list of our expedition members.

American party:

3 Scientists - Brass, Rand, Richardson

8 Non scientific - Archbold, Bartl, Brown, Yanga, Rodgers, Ramon, Steve ?, Waibel.

5 Cooks

9 Makassar coolies

2 Malay collectors

Dutch party

Dr. Toxopeus

1 assistant

2 collectors

2 boys

Dr. Meyer Drees.

1 assistant

Military

1 Captain

3 Lieutenants, including the doctor

6 Sergeants

47 Soldiers

30 Captives

72 Dyaks

1 Dutch radio operator

This is a total of 195 men which are with us for the period of the expedition.

July 1 Hollandia Netherlands New Guinea

443 traps — 0

This morning I cleaned up about the room putting a number of things in order. This afternoon went on a long hunt up the stream north west of the Kirkland house for about 2 or 3 kilometers, then up the steep rocky hill slope to the east to the ridge, followed the ridge for 2 or 3 kilometers northward, then back along the ridge to Hollandia. This evening just before dark I went returned to the base line of flight. (See species notes for Hippocidrus)

Today the 5th flight to the Idenburg with men and supplies was completed. The quickest trip from Hollandia to the Idenburg was 56 minutes; it averages about 1 hour. It takes from 40 minutes to an hour to unload. According to their reports they have a good dry camp near a small stream. The route between the seaplane port (a lake near the river) and the camp is through forest swamps for a distance of about 40 min. Cpl. Terrink said that he had found a house just recently destroyed by fire, a good trail leading toward the mts., and some spears [illegible] along the trail.

Tomorrow morning the Gilba is scheduled to leave for Port Moresby. It will return in two or three days.

July 2 Hollandia Netherlands New Guinea.

443 traps — 0

Yesterday evening two Dorcopsis were brought in by natives.

I go camp this morning. This afternoon hunted in the cut over forest north east of Hollandia. No luck. This evening followed the line of last

General Account

flight again. Took on specimen (Hyposiderus) along the line.

July 3 Hollandia, Netherlands New Guinea.
443 traps – 1 Rattus

This morning being Sunday we took a trip; something like the postward ~~2nd~~ day off. This, however, was in our newly acquired motor boat to Pim and then on to Mr. Kees plantation. From him we purchased 2 half grown Dendrolagus which I shall attempt to keep alive for studying. A life history study comparing Dendrolagus Phalanger and Dorcopsis would prove very interesting.

This morning an adult ♂ Phalanger was brought in. It will be prepared tomorrow.

This evening from 8–10 I spent hunting in the jungle north east of Hollandia. The boys saw a bat Hyposiderus in the grass which they caught. I also saw a Melomys ~~sp~~ low crawling about the thick undergrowth. It was about 2 meters off the ground running along small limbs and now and again hesitating to look around. When disturbed it sought the thick undergrowth and grass for escape. The characters that led me to put it in Melomys rather than Rattus was the soft whitish fur of the belly and the plump shape. I believe that it is the species commonly taken in the traps in this vicinity. I also saw there a pair large fruit bats hanging near the top of a tall tree. This tree or a neighboring one contained numbers of small (½") blue fruits. I presume that the bats were feeding on these fruits for at times it sounded almost like rain from the husks and fruits that came down presumably as the result of this feeding.

July 4 Hollandia, Netherlands New Guinea.

443 traps — 1, Pogonomys

One Rattus was purchased from a local native. Two Phalanger were obtained today, one an adult ♂ which was brought in yesterday and the other an adult ♀ which has been held captive for some time (See species notes).

July 5 Hollandia, Netherlands New Guinea.

442 traps — 0

This morning several of us took a boat trip to "Tanjung Sko". It is the peninsula that forms the eastern tip from Humboldt bay. What is it in an extension from the mainland that partially encloses the bay. It is situated 11 km. South east of Hollandia. There were large rocky cliffs of lime stone that had been eaten into by the sea. One of these, the largest that we saw harbored bat in large numbers. One shooting netted three genera Miniopterus, Dobsonia, Nyctis. (See species notes). Returned home at noon and the rest of the day has been spent in preparing specimens. In fact I have many left to prepare yet.

This afternoon a local native brought in 4 Dorcopsis, 1 Sus. One of the Dorcopsis was brought in alive although badly mauled by dogs. If it will live in the cage it will be used for comparative life history study. [Died following day]

One of the 72 Dyaks died today. Ray gave them 4 sheets of iron, and some cloth for the coffin. It is unfortunate that it happened but it is difficult to avoid. His death was due to pneumonia. Doctors could did not save him.

July 6. Hollandia, Netherlands New Guinea

442 traps — 0

The entire day was spent in preparing specimens.

Four Dorcopsis were brought in by native

25th. B. Richardson
1938

General Account

this evening

A Phalanger, snake, lizard, rat frog were brought in by one of Mr. Ebeli laborers. According to the rat Phalanger was taken at 600 M. on Mt Cycloper. The other vertebrates were probably taken at or near the same locality.

The Guba returned this afternoon from Port Moresby via Daru. It brought with it anchors, anchor chains, radios, provision (delicies), etc.

This evening there was a request from the govt. (Mr. Hoyland) to aid the Bantam which is stuck on a sand isl. some 90 mi. to the west along the north coast of N. G.

July 7 Hollandia Netherlands New Guinea.

442 traps – 1 Rattus

Purchased another Rattus from a local natives

This morning spent in preparing specimens and the afternoon in learning the intricies of the new portable radio. This evening I went hunting with flash light. Saw several bats but that was all. Perhaps the rain had something to do with my poor luck.

This morning 2 Papuans came from Mr. Ebelis with 2 Phalangers (1 Wroolatus + 1 orientalis?), 1 Echymipera and 1 lizard. According to the note that accompanied them the 2 Phalangers were taken on Mt Cycloper Mts. 300 M and the Echymipera & Lizard on the same Mts. but at 200 M elevation. I hope to be able to keep them alive.

July 8 Hollandia, Netherlands New Guinea.

442 traps – 1 Melomys

This morning developed pictures, and this afternoon prepared specimens.

Mr Ebeli sent in 3 Echymipera today. They were probably taken at or

near his plantation and saw mill near Dojo at Sentani Lake.

This afternoon, one of my Papuan collectors returned from Gjabo, Sentani Lake, with a box full of bats. According to him they were taken 1½ hrs. south of the company in a cave. There are three spp. 1 Myotis + 2 Miniopterus

The heavy clouds and rain prevented the Gaba from going to the Idenburg until this afternoon (it left Tigi to 2. Rivs) and they were sort of weather prevented its return to Hollandia this evening.

The govt. sea planes arrived this evening.

July 9 Hollandia Netherlands New Guinea

442 traps – 1 Rattus

Spent the entire day at the skinning room.

3 Dorcopsis were brought in by Papuans; 1 Phalanger, 1 Echymipera and with a young one brought in during the morning hunt of the collectors. 2 Tenrecus, one wild one, were shot yesterday evening during my nightly hunt; 6 Cobaya were brought in by Papuans from Mr Birkmans.

The Gaba returned this morning from its old flight to the Idenburg bring Capt Friend out. This afternoon it was pulled up the ramp for the first time. It is still in good condition as barnicles, etc.

A small govt. vessell came in this morning and borrowed our oil drums to attempt to float the Boston Lass. For six days now it has been stranded on a small island.

July 10 Hollandia, Netherlands New Guinea.

Sunday traps not tended (also raining)

Today was spent puttering about the house. The rain prevented my taking a tour of the region.

General Account

Time was spent about the new animal house watching the actions of Phalangers and Dendrolagus. Soon I shall draw up a comparison of their activities and behavior as much as can be determined from caged animals.

July 11 Hollandia, Netherlands New Guinea
442 traps — 1 Rattus

One of the natives brought in a Nyctis from Cagwe.

Today has been spent in preparing specimens and packing equipment for our trips inland.

The airplane is still on the ramp being given a 100 hr. check. It is about 102 hours of flying time to its credit since leaving San Diego, 50 of which was on the way down.

Capt. Ingrick said today that there would be 26 in the party leaving for the Idenburg toward Habbema. They probably will not leave for a week or two yet. They will have to wait for the establishment of our camps at Habbema.

July 12 Hollandia, Netherlands New Guinea.
442 traps — 1 Rattus.

Another Rattus was brought in yesterday evening by a local native. There were three Echymipera skinned today, two of which were brought down from Mt. Ebelis (near Dijo) and the other brought in by a local native. Mr. Bindman sent in 2 Dobsonia and 4 Pteropus.

Prepared specimens today as well as started the preparation of more bait. The bait seems to be disappearing rapidly. Wonder if the boys are eating it.

A radio from Lieutenant Van Riesel stated that they had been

inspecting the route to Hollandia from the Idenburg River and that the first ridge (1750 m. high) could be reached on any long day of travel. From there there is a good ridge leading westward south of the new lake.

July 13 Hollandia, Netherlands New Guinea

392 traps - 0

Yesterday I brought in the traps (50) set on and about the cat ear grassy area to the north of Hollandia. I do no recall having taken a single specimen from that trapline since they were put out. Today the remainder of the Dyaks traps (172) were taken up. They had been set south of Hollandia about the base of the limestone cliff and in the rain forest there. These traps have yielded very little.

Yesterday evening a Pipistrellus and a Phalanger was brought in by natives who had collecting them in the immediate vacinity. The gray Phalanger brought in from Mt. Cyclops near Dajo died last night. A Rhinonycteris and two Dorcopsis were brought in.

The day was spent in preparing specimens and making bait for the inland collecting. Little of interest happens about camp today. The Buka is being checked and cleaned, Johnny the boat is being over-hauled and collecting goes on much as usual.

The name of the Idenburg camps is to be called Bernhardt in honor of Princess Juliana's husband. It was his birthday that the camp was founded.

Wm. B. Richardson
1938

General Account

July 14 Hollandia, Netherlands New Guinea.

200 trops – 0

A Rhalaenops, Myotis, Emballonura and Sus were brought in by Papuans. This morning I prepared specimens and this afternoon I went out to the bat cave 4 km South-east of Hollandia. There I obtained 1♂ Coelopsis(♀) x 2 Rhinolophus

This morning we had the first test of the new cargo parachutes. They consist of a square piece of cloth 12 x 12 with 4 cords tied to the corners and the other end of the 66 ft. (?) cords attached to the cargo. There were six chutes dropped; the first cargo and chute separated and was lost in the jungle; the second and third the chute failed to unroll due to tangled cords; 4th + 5th 50% were the chutes opened but one cord broke which allowed the cargo to come down rapidly. The food was not injured (condensed milk); the 6th was a perfect delivery of a box of bottles. The three sacks of rice dropped two landed uninjured and the third had a small rip which lost 1/4 ± of rice.

The monthly mail boat is due tomorrow so I must close to write a letter home.

July 15 Hollandia, Netherlands New Guinea.

200 trops – 0

The natives brought in 3 Dasopsis. Mr. Ebeli brought in 3 Echymipera and 3 Petaurus from Dojo (vacinity). The latter will be prepared in two or three days, the former prepared today. Prepared two Rhalaengers which I had held in captivity for the past few days. The ♀ #392 was brought in from Sentani, the other is local. The Pogonomys was brought in by Mr. Bierkoven from his plantation near Tami.

The most interesting things prepared were the bat taken in camp 1 km. south west of Wallandia. These were 4 Hipposideros, and 1 sp. Rhinolophus.

The day was spent preparing specimens, packing cargo for our monthly supplies inland, and checking cargo from the monthly boat.

Early this morning (5:30 ±) the Guba with its crew took off for Babbema Lake. It is the first time that this or any other plane has to my knowledge landed at an elevation of 11,000 ft. It usually takes the boat 1:10 minutes, circled about and landed. They put out the bow, selected a possible camp site, landed some oil and gasoline, and returned. This flight at took 1 hour and 1 minutes. Dick reported after he landed here that there were numerous runways through the grass that had probably been made by mammals.

This afternoon the K.P.M. arrived bring with it the monthly mail and the unusual activity to this little village.

This evening the 4 Dyak collectors went hunting with flash light. They returned with an adult ♀ Echymipera and a young.

July 16 Wallandia, Netherlands New Guinea.

200 traps - 0

The Echymipera and young were shot last night by my Dyak collectors while out hunting with flash light. The Mystis Hipposideros, Dasyprocta, and Rattus were brought in by natives, ~~and~~ The Petaurus was brought in two days ago by Mr. Ebelis from the vicinity of his home near Sentani Lake.

Today has been spent preparing specimens and packing equipment for our trips inland.

General Account

July 17 Hollandia, Netherlands New Guinea

The 200 bags were taken in yesterday.

A Dorcopsis was brought in yesterday evening and prepared today. There was also a large number of Hipposiderus (2 sp.) brought in today.

This morning I prepared a few specimens but most of the day was devoted to the packing and checking of equipment for the inland party. I leave on the 19th for Kaibuma Lake with the first ship load of men and equipment.

July 18 Hollandia, Netherlands New Guinea.

Prepared a large series of bats this morning and this afternoon finished packing equipment for tomorrow's flight to Kaibuma Lake. This afternoon also spent some time in the cage of the Dendrolagus recording life history notes.

July 19 Kaibuma Lake, Netherlands New Guinea

This morning at 5:53 the Guba left Humboldt Bay with cargo and passengers for Kaibuma. It is the first flight in carrying the inland party to its highest base. The cargo contained provisions for 2 months for landed party, equipment to start preparation of the base camp, lumber for piers, radio equipment, etc. The crew which landed, other than the plane crew(5), consisted of Captain Jerrink, 1 sergeant, 4 soldiers, Amat my cook, and myself. We landed on the lake at 7:15 and within 15 min we were discharging cargo which took about 1 hour. After that the plane crew put a "down guard" pier; Capt. Jerrink selected a camp site and the soldiers prepared their quarters. Both with the aid and assistance of others put up the portable radio; and Archbold supervised the erection of a tent. This

tent is to be my radio shack and sleeping quarters. It is not complete as yet so we are sleeping on the wet ground with a few tarps between us.

This afternoon Brett and I took a look about the region to the north and east of camp. Just a leisurely stroll picking pansies for Brass.

We have been having rain on the Guba and tonight topped the works when Russ prepared corned beef that really didn't taste like that canned junk at all. It was really G.

At 7:30 it began to rain. Cap. Tennis returning from the Guba though what seemed to me a particularly heavy squall just went for us. It is now quarter after 8 and is still raining but I am warm tucked in bed so good night.

July 20 Hollandia Lake, Netherlands New Guinea

After the 6:30 radio contact we went aboard the Guba for breakfast and a good one it was. Agatha Rodgers Brown culinary triumph. After breakfast we (Tennis and myself) returned to camp and left the plane crew aboard making preparations for their return. At about 8:00 the Guba left through the haze covering the lake as it disappeared around a point. Of the next minute it was in the air above the hills south of camp heading toward the base. Another unsuccessful attempt at take off. It could hardly be called an attempt when water the apparent edge of the lake.

Our (Tennis & myself) days work today consisted of completing the construction of my sleeping tent. Yesterday we pitched the tent itself and today we put in the floor. It consisted in putting the uprights to get the floor off the ground 18 to 20 inches three stringers, an added floor of Libocedrus yatesi, and a third (4'-6") mat of (at 9:00) conifer boughs.

Our work was broken this morning by a series of coyote like howls. Shortly afterward we saw 12 men and a boy coming across a grassy clearing across the lake to the west. They were walking along the trail which passes along the

General Account

north edge of the lake. Their manner of progression was not one of hostility but rather one of inquiry. taking every opportunity to keep with sight of us. Their chief topic of conversation in left hand horizontally over their heads and what appeared to be smoke signals with the right hand. This party of 4 men and one boy (8-12 years) came along the trail to within 200 yds of camp and then stopped, set their women aside and built a fire which they continually put green tobacco leaves on, this made a heavy smoke screen. All this was done on a small ridge in plain view of camp. After they stayed for about ½ an hour making original calls but mainly watching our activities. About 10:00 several groups of natives coming across the sandy open grassy lake edge. They followed the trail of their predecessors, passed the little knoll south of the lake where they built the smoking fire and on to join the 4 men and 1 boy. Soon after meeting they proceeded at a quick pace along the trail which passes over the saddle within 100 yds of camp and through the grassy valley to the north of Jubbere. As they passed along the trail I counted 14 in their party. Most of them were carrying a small pack either on their backs or in a basket with a string about the head. I assume that they were women although I am not definitely sure. On looking at the men while standing about their smoke fire they appeared to wear little more than a penis gourd and a few ornaments. Some quarter of an hour after the group passed through the saddle we (Capt Tennick, 5 soldiers, Dennett & cook) went over the ridge to watch the retreating party. They were nearly a mile away. On calling to them they stopped looked about and then went

hastily into the thinly forested hills to the north of them. As we returned they were laboring up the hill slope.

July 21 Habbema Lake. Netherlands New Guinea.

This morning at 5:30 had a contact with A but was unable to contact. Tried for 1 hr steady and again for 15 min from 7 on. At 7:30 had successful contact as well as at 10:00 AM and 5:30 PM. It has been raining a light steady rain since 3:00 AM. This incessant rain has prevented the soldiers from working as well as ourselves. The soldiers have been huddling about the fire in front of their shelter all day. This morning we two sat in our tent keeping the rain mostly out. By 1:30 we became disgusted with the weather as Capt. and I went out rain or no rain. We took the boat across the lake to the west and followed along the trail from which we had seen the Papuans coming from on the following day. It goes in a general South westerly direction for the 2 ± miles that we followed it. We were interested in signs of human habitation and this is what we found. Two hunting shelters, one of which was built of logs. It was a lean two affair with ridge pole (5-6 ft off ground) supported by a tree and a forked pole. Against this ridge pole three were placed 10-15 yards. There had been little attempt to chink the logs. A fire had been built in the middle of the east wall and a few bits of grass lined on the shelter side which had probably served as a sleeping mat. The other shelter, and more recently built one was made with a peaked roof. The ridge (± about 6' off ground) was supported by 2 forked sticks. The 4 corners were likewise held up with forked sticks. The supported roof was made of sticks, vines, grass, moss, etc. It was hardly what one might call

General Account

water proof but it was for superior to the
bear toos. The entire room covered a space
about 9' x 7'. There was no walls or attempt
to plaster in the side of the building. Perhaps
this was not necessary because of the
protected brushy spot in which it was
built. In the middle of the room was
a well used fire place and about which
was strewn finely shredded grasses ~~and~~
reeds. There had been used as a sleeping
mat. The logs or larger sticks used
in the building as in the attic, had been
cut with a blunt instrument such as a
stone axe. Along the trail there were
numerous old camp fires. We found
a bundle of bark which had been used
to camp fires, the handle of a stone axe,
several pounders bones which had
been used for rapping, a pig rib, portion
of a burnt young pig skeleton, a basket-like
bundle of twigs and grasses. The latter was
curious. It was a pail of litter above the ground
which had been made some time ago. In this
litter there was found several balls of green
grass which had been recently added to the
mass. In the room there was several broken
reed arrow shafts, only one of which had
a point and that two small shafts of what
appeared to be a picking arrow. The
trail over which we passed was well worn
apparently being one that has been in use
for many years and in continuous use.
The human foot prints in the trail belong
to people with relatively small feet. There
were also pig-like tracks along the trail.
They were apparently small animals accompanying
the persons.

July 22 Habbema Lake, Netherlands New Guinea.

The weather began clearing this morning and by the time the Gaba arrived (7:30 ±) there was a blue sky and few light clouds as contrasted with the dull rainy yesterday. Cargo was unloaded and brought into camp. After the plane left Mr. Bruce, Capt., and myself searched about this region for a suitable camp site for the Europeans. A good one was found north east of the soldiers camp about 50 yd. Here we tentatively arranged the location of the 5 tents, the cook tent and the cooks living quarters. With the aid of the soldiers the cooks tent and shack is nearing completion. This afternoon we took a short walk about the ridge to the east of camp.

July 23 Habbema Lake, Netherlands New Guinea

The fog over the lake prevented the plane coming in at its usual time 7:30. It was forced to circle about for 20-30 minutes before the weather cleared sufficently to make a landing on the lake. On landing they taxied up to the beach, made fast a line, Bruce swam out attached the stern line and returned to shore with end of rope, and with the aid of the soldiers hauling the Gaba was brought in tail first along side the dock. The plane is unloaded within half an hour, a cup of coffee, a few jokes, and it off again. The ease and rapidity with which the cargo is discharged is almost miraculous. Efficency +. After the plane left we returned to the making of camp. Bruce and Capt. Smith tents were put up; the cooks tent finished; stove moved into the kitchen. The first of the Dyaks came in this morning and they have been busy building themselves a shelter of atap and native material. The soldiers and captains have made this shelter larger to house the larger number of men. They have also been at work on the military godown, the

General Account

roof is on, and the floor is partially completed.

Today has been a beautiful day, sunny and bright all day with the exception of the early morning lake fog. 9 days like this will certainly collecting here will be a real pleasure.

July 24 Habbema Lake, Netherlands New Guinea.

This morning was beautifully clear, not a cloud even the early morning lake fog was not present. The plane "Guba" arrived, unloaded its cargo and returned. If is, the arival of the plane, a common place thing now expected rather than anticipated. Today my activities consisted in the ~~##~~ shifting of my tent from its previously low wet locality to the higher, drier camp of the Europeans. A new crew was put up, and the last in long time to ~~##~~ erect my tent. This afternoon, (3:00) it began to rain and so little work was done. I straightened things within my tent and practiced code. The rain makes one feel lazy in spite of the work before me.

Last night a native camp fire could be seen across the lake. This morning a wisp of smoke came forth and this afternoon a good deal of smoke could be seen. About 3:00 this afternoon 2 natives were seen passing along the trail near camp. They went through the saddle and into the grass valley to the east of us. I wonder where they are from, when they go and what prompts them to travel.

July 25 Habbema Lake, Netherlands New Guinea.

This morning the plane came and left as usual. After its departure we began the building of the dining room. It consists of an log fly, a small fly covering one end, atop the other. The low walls bowed in with cedar bows, a floor in

are shall and an open fire in the center of the attic. It is really a very comfortable eating and lounging spot in spite of the smoke. We also put a small shelf for the thermometer. Bruce is going to keep temperature records.

This afternoon I set out 50 rat traps and 2 steel traps. The first line runs south west from camp, across a little gully, up to the ridge and south up the ridge for a short distance and then into another gully and onto the ridge. Here the line runs down the remaining 20± traps set along the lake edge. These traps set along the first portion of the line (30± traps) are in runways at the entrance of burrows in the bunchy spaniform clumps and thickets. The degree of moisture depending on the slope and drainage; the traps being set in spaniform of different degrees of moisture. The traps along the beach ~~xxxx~~ with lake edge were set in grassy runways or bounding mossy thickets. The two steel traps were set in large runways in or along the edge of these grassy thickets.

This afternoon one of the convicts brought in two small lizards which I take to be Cnemidophorus I will not be sure of their identification until I see their tails. He showed me the exact spot from which they were taken. It was a more spaniform clump about the size of a Liberator in which there were numerous burrows. The burrows were not dry nor were the signs of dung about which might indicate that they were in constant use. According to the story of the convict ~~xx~~ he went to cut the trees down, about which this spaniform clumps, and the "Nona" ran away through the brush and spaniform. On digging into the clump from which he came he found the two young [?]. They were near the top of the clump, the drier portion exposed to the sun.

General Account

July 26 Habbema Lake, Netherlands New Guinea.

50 rat traps, 2 civet traps — 5 Stenomys, 1 Pogonomys

The plane came in this morning as usual with its load of cargo and passengers. After a quick discharge of its cargo it left for Wewak in the Mandated Territory. After the plane left we concluded our breakfast after which I accompanied by Bruce, Emrich, Hallo and one of my collectors went the rounds of the traps. (For results see above.) The rest of the morning and early part of the afternoon was spent in preparing these specimens. This afternoon I and my collector set out 50 rat traps and 1 civet trap. These traps were set south east of yesterdays line. We began at the top of the low hill south of camp and continued in a general SSE direction down a small spur, through a gap, up another ridge to the top of another low hill and part way down a small steep spur leading to the north shore of the lake. This region was selected because of its comparatively dry nature in hopes of catching more Pogonomys and Bandicoots. Although fairly well drained there is still sphagnum bogs about the brush and trees about and between which are small openings of dry bleached moss covered ground. This evening there is the routine radio sked and a meal looked forward to dinner. (as per usual).

July 27 Habbema Lake, Netherlands New Guinea.

100 rat traps, 3 civet traps — 6 Stenomys

Today the plane arrived about 8:30 A.M. with its 7th load of freight for Habbema Lake. There are this evening 68 men here with provisions for two a more months. This morning after the Guba left I prepared the specimens taken this morning. This afternoon was given to odd jobs about camp; repairing the carbo test, stoking up on fuel, helping with flies in dining room, building cage for Bandicoots, etc.

This morning the Dr. + Capt. made a patrol through the grass valley north of Habbema, and into the

ridge to the north of the valley. They reported having seen 5 natives, several houses, and a good trail leading to the eastward.

Our camp is nearly completed, a tent each for Reed, Brass, and myself, a store tent, the cook tent with a fly in front for cooking, a fly used for dining quarters, preparation quarters and for our Dyak collectors. The military camp is large with separate squad quarters for soldiers, convicts, N.C.O.s, and Dyaks. In addition they have mess quarters for the "non coms", a large godown, a fly pole, guards quarters, W.C. etc.

July 28 Habbema Lake Netherlands New Guinea

100 rat traps, 3 steel traps – 1 Strongys. 3 birds.

Today the Boke made its 8th cargo flight to Habbema. Today has been spent about camp doing odd jobs such as building a cage for the Pandicoins, developing pictures, etc. Our camp now is quite complete with the exception of a few minor jobs. I am now waiting for the remainder of my equipment and for the Dyak collectors. With this arrival I shall be able to start work in earnest.

July 29 Habbema Lake Netherlands New Guinea.

100 rat traps, 3 steel traps – 1 Strongys, 1 grass.

The grass was taken in a steel trap set in a trail through the grass thicket ~~x~~ along the edge of the lake.

The Boke came this this morning with its ~~nxt~~ 9th load of cargo and passengers. This morning was spent working about camp. This afternoon I set out 50 more rat traps starting from the far end of the line running along the ridge making a turn to the east but then proceeding over several ridges in a north east direction. Late afternoon I spent in helping Mr. Chubb set up his radio.

General Account

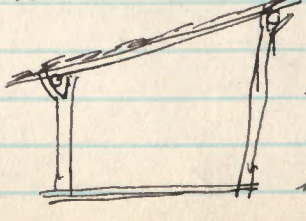
July 30 Habbema Lake, Netherlands New Guinea.

150 rat traps, 3 stink traps. – 2 Stenomys, 1 bird.

This morning was spent about camp. The most important thing that happened being the first contact with the natives. Rand, Brass, Tennis, Yale, 2 soldiers and a Dyak participated in the contact. About 9:30 the natives were heard calling "coyet fusion" from the ridge east of the low ridge east of camp. According to those participating in the contact the natives came cautiously across the grassy valley toward camp. A Dyak was sent out to meet them and according to instructions exchanges cookies the remainder of the party. Hands were shaken around. The brief contact of 5 min. was spent in trying to determine the region from which they came. "BE NEN A WA" was the name from which they came. The "WA" being the name of the river. On mentioning the name above the old man and leader pointed in the region of the Grand Valley. Without warning the group of 11 men turned without warning started out of arrow shot and then walked across the valley. Their clothing consisted of a penis gourd. Some of them carried bows and arrows and their were several stone adzes in the group. They were few ornaments if any, their curled hair was matted, and they were a black paint on their faces. Rand finishes by saying it was a good contact. The arrow and bow were carried in one hand. The men then paid to the river pointing in the south "BA LEN A WA"

This afternoon Rand, Brass, and myself explored the eastern half of the lake shore. We used a boat from place to place about the shore by boat getting out and look the country over for animal signs, birds, etc. The southern shore of the lake is bordered by a thin border of grass which gives way to Libocedrus, Podocarpus, and moss. In some places the grass are entirely displaced by these three dominant plant types.

The eastern shore of the lake, to either side of the inlet broadly, is marshy. There is an extensive area here of lowland covered with grasses, sedges, and other grass like plants. For the most part these grass-like plants are thick and matted at the surface and often impregnated with moss. There is a small meandering stream passing through this broad grassy valley and emptying into the lake. (the inlet). Along this stream are a few scattered tree forms. The east & south east side of the lake has a grass, short moss border of 10-20 ft wide which gives way to a low, poorly drained, luxurious grass vegetation. As soon as one leaves the lake border he notices the change from short lush vegetation to the low grass vegetation. This difference is probably due to the tempering influence of the lake on the immediate surroundings. East & southeast through this low luxurious grass land the land rises and there are a few more rolls which are probably due to the light boulder limestone formation beneath them. The vegetation of these rolls consisted of moss, and low mixed bush similar to the north side. On the south side a vegetation much like that of the northern lake shore & rather the hills a few steps above the lake shore with the exception it was much less extensive being limited in most cases to 20-30 sq. yd. At the small mouth south central portion of the lake there is a pinnacle extending for about 500 yd into the lake. This vegetation is much like the other Labrador forested regions. The most interesting thing about it is that we found the 1920 camp of Cromm and von Arbel. They were the first and only other party to visit this region. They had built a line of shelters some 60 or 70 ft long with a small log floor and a pole and bark roof. Shorter of most was



This type of shelter is the same as is used here by our soldiers and Dyaks. There was also a stock of fire wood and old tin cans about.

[Not the roof had fallen down and structure in bad state of dilapidation]

General Account

It was not a Papuan camp as shown by the steel axe cut trees, land tenure, construction of camp, and stacked fire wood. From this remark we returned across the lake to the bay of camps.

July 31 Lake Habbema, Netherlands New Guinea.

150 rat traps, 3 steel traps — 2 Steromys (different species)
1 Phascogale

This morning the 11th and last of the cargo flights to Habbema was completed. The Guba has brought in some 60,000 lbs of stores men and equipment to Habbema. The personal consists of approximately 110 men.

The Guba was turned facing down and every available man in camp was placed on the wings for a photograph. I hope that it turns out to be as good and as acceptable as the last similar New Guinea picture of the previous expedition.

The most interesting thing in the mornings happenings was the arival of two friendly natives. They came within 50 ft. of the edge of our camp, squatted on the ground and proceeded to talk to us in their own and signe language. All that I could decipher from such a manner of communication was that the savages were going back to their village, pointing in the direction of the Grand Valley, and with 2½ days would return with many men and pigs. The only clothing that these two were was a penis gourd. In addition they had armlets, bracelets, and one wore a coarse grass bag-like thing over his hair. They both carried a bow and arrows as well as a woven mesh bag under their arm. It was in this bag that they carried their personal belongings. Both of them had smeared themselves with charcoal powder which gave their skin that brown

bodies a black dirty look. Both natives were friendly especially the elder of the two, the spokesman. He was always grinning and it often broke into - laugh as we laughed. The other a sullen young chap never spoke to us but kept his keen shifty eye on our activities. He appeared to be the body guard of the elder man. We offered them gifts of tobacco, matches, salt, canvas spoke, salt, dried fish, a steel axe. Then they returned to us before leaving apparently not wishing to be under any obligation. The elder of the two had an old steel axe which he lightly scraped. This was the only trophy which he showed to us.

This evening the plane crew, Rodgers, Archbold, Rutt, and Brown, stayed in for the official opening of camp. After photographs of the expedition members on top of the plane the soldiers, Dyaks, captives, scientists etc gathered [illegible] the newly erected flag pole. Archbold made the opening speech, followed by a speech in Engkia to those of us that understand and another to the soldiers in Malay. On completion he erected gave Archbold the honor of erecting the Dutch flag over camp. After that the Europeans drank to the health of the Queen etc. with Terinde special wine.

Aug. 1 Lake Habbema, Netherlands New Guinea, 3225 m.

150 stat trops, 3 stat trops — 2 Stenomys

This morning the Gaba left for Hollandia. Its next scheduled flight to our lake is Sept. 2. It left us with the feeling of being isolated from the outside world. Captain Terinde with his party of 47 men also left this morning for the Grand Valley. There were 20 Dyaks, 14 soldiers, ? officers, Ma

General Account

Ebeli, and convicts. He is to open up the part of the trail between Hatchin and the pass lake. The party left in good spirits although I couldnt help feeling a bit sorry for the Dyaks carrying a load of 30 or more kilos. After they were packed and ready to leave the soldiers distributed 2 lb. ox t each in addition to their already excessive loads. According to the contracts they were to carry a 20 kilo load but the Captain said it was impossible to travel so and gave the over load as an extra precaution. One thing I cannot quite picture is the radio battery packed at the top of the load, the place where it is most easily broken and when if acid spills it ruins the rest of the cargo. "Ships United they are a strong race"

This morning I set out 197 more traps along the grassy vegetation of the lake shore. The line begins near the dock below camp and runs around the north end of the bay to the middle edge of the grassy valley on the western shore of the bay. 90 of the traps are set in a bunch the marginal grass of the lake shore the other 107 are set in the forest near enough where it borders the lake. Traps with no exception are baited with a mixture of dried fish, oat meal, honey and peanuts, and placed in the runways to be found in this region.

This afternoon I set out 75 traps (rat) along the stream that flows along in the upper western part of the grass valley just east of camp. They were set along in the grassy margins of the stream where there are scattering low bushes and tree ferns. Prior to the setting of these traps the line which I first set out was collected with the exception of three traps which were missing.

This evening it has been raining, one of the hardest rains since we have been here.

This afternoon a group of some 10 or 15 natives made a detour down above camp and then along the trail leading ☆ about the bay and off toward the west. We saw them on returning from setting traps. I believe they to me but they appeared their desire to continue along this way and I was to go along mine. They were a shy nervous group.

Aug 2 Lake Habbema, Netherlands New Guinea 3225 m.

197 mouse traps, 175 rat traps, 1 steel trap — 15 Sternomys 2 sp, 2 Pogonomys, 5 Rattus, 2 birds.

This morning I prepared specimens. This afternoon I set out the remainder of my rat traps, a continuation of the line up the grassy valley above east of camp. There are now, at 197 traps of this type 97 of which are along the grass and shrub borders of this small stream. The remainder of the afternoon was spent in preparing specimens.

Several groups of natives were out today shooting in the characteristic Papuan fashion, but none came into camp.

Yesterday 2 soldiers and 1 Dyak returned from Tenimbe's party with an injured convict. The convict "Ron", one of Tenimbe's personal carriers, slipped and fell hitting his groin on a rock. He was brought into camp on a stretcher and attended by the doctor. A report today from the doctor said he is not seriously injured and recovering.

Aug. 3 Lake Habbema, Netherlands New Guinea.

197 mouse traps, 197 rat traps, 1 steel trap. — 11 Sternomys, 1 Pogonomys, 3 Rattus (#560 was taken yesterday), 2 birds.

This morning I prepared specimens. This afternoon I went out in search of different type of habitat in which to set my traps. I followed along the ~~trail~~ from camp

General Account

northward between the beds of grassy valley. This spur continues in a northerly direction for about 3 kilometers where it joins with the main ridge which extends east south east to the Grand valley. From the highest of this ridge I could see the Grand Valley and one of the upper tributary vallies. The closest settlement was about 4 miles distant in line. A group of 2 or 3 huts could be seen and gardens with its crops too. At the top of the ridge there is a track leading down into the valley to the north (drains to B.B.) and along the top of the ridge to the west.

This evening one of the Dyaks came into camp with a live animal which appears to be a Echymipera It is an agile little creature moving about its cage in a nervous manner. Note will be made on it later.

Aug. 4 Lake Habbema, Netherlands New Guinea

197 mouse traps, 197 rat traps, 1 stink traps. -

8 Sternomys, 1 Rattus, 1 Hydromys, 2 birds.

This morning 3 prepared specimens. This afternoon made notes on my caged animals. Echymipera and Pseudochirus. This day has been a difficult one for collecting, few specimens and much rain, unpleasant weather.

Aug. 5 Lake Habbema, Netherlands New Guinea

197 mouse traps, 197 rat traps, 1 stink traps —

6 Sternomys, 1 Rattus, 1 Phascogale, 1 Hydromys.

the Echymipera was brought in several days ago. (see former notes)

This morning I attended traps and prepared specimens as usual. This afternoon I changed a line of traps the 100 (95 found) which were set on the ridge south south east of camp to the region north north east of camp. The line begins at the head of the grassy valley (western most streamlet) through the light open forested region, into a hillside grassy slope, along border of grassy slope and bush, in low bush and mossy ridge, through a dense

high brush and moss canyon with small stream, on dryer ridge, and down a relatively well drained canyon with grass and brush. In short the line starts from the western head of the grassy valley (north end of camp) and over the long spur (leading toward camp from north) and down the opposite slope for a short distance.

Aug 6 Lake Habbema, Netherlands New Guinea 3225 m.

197 mouse traps, 191 rat traps, 1 stink trap. — 14 Stenomys, the Pseudocheirus was brought in alive July 25 by a captive.

This morning I tended traps and prepared specimens. This early afternoon I set out 10 stink traps along the northern lake shore to the east of the bay. Here in the sandy soil were numerous diggings of what appeared to be made by a similar animal. Most of the afternoon was rainy so that I am unable to do work as should like. The mornings are spent in preparing specimens, and the afternoon in resetting traps and when raining the latter is impossible.

This afternoon at 12:30 1 sergeant, 4 soldiers, 2 captives, and 1 dead returned from Terwiel party in the Grand Valley.

The most important thing in probably the activity at Lake today. It made its first parachute delivery to Captain Terwiel, and landed successfully on the new lake to deliver supplies to our Area. He was there with his entire party in good spirits and good health.

Aug 7 Lake Habbema, Netherlands New Guinea 3225 m.

197 mouse traps, 191 rat traps, 11 stink traps. — 13 Stenomys, 1 Rattus, 1 Phascogale. The Pseudocheirus was brought in alive July 25 by a captive.

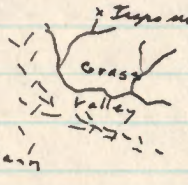
This morning and early afternoon I prepared specimens. The last afternoon I rested for today is Sunday

General Account

Aug 8 Lake Habbema, Netherlands New Guinea, 3225 m.

197 mouse traps, 191 rat traps, 11 stub traps. —
6 Stenomys, 1 Rogenomys, 1 Pseudohydromys,
2 Phascogale.

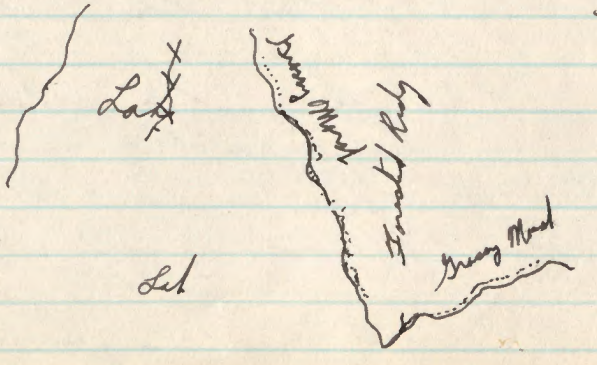
This morning I attended traps and prepared specimens. This afternoon I set out 12 stub traps along the runways in heavy moss forest. The exact locality is best shown on the small accompanying maps. They are in or near a heavy forest 1 kilometer North East of camp at the head of a grassy bog of the upper Grassy valley. 8 traps were set in the heavy moss forest itself, the other 4 on the edge of the heavy grassy bog below the forest.



Aug 9 Lake Habbema, Netherlands New Guinea, 3225 m

197 mouse traps, 191 rat traps, 23 stub traps —
8 Stenomys, 1 Rattus, the Phascogale was shot by hand.

This morning I attended traps and prepared specimens. This afternoon reset 95 rat traps. They were taken from the grassy valley north east of camp and set along the lake shore edge beginning in the middle of the grassy valley on the water shore of the bay and following the shore line around the point of the bay and north west along the lake shore to a point about half way to the outlet. The traps were set in runways along the heavy moss and reeds which is present about the lake edge.



Aug 10 Lake Habbema, Netherlands New Guinea. 3125

197 mam. types, 190 rat types, 23 stub types. —
8 Stenomys, 2 Rattus, 1 Pseudochirus. The skull of the Pseudochirus was brought in yesterday by Dr Rand, 1 bird

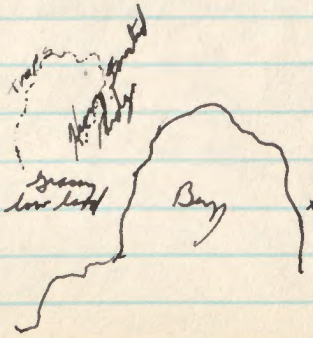
This morning I prepared specimens. This afternoon I went across the bay of the lake and into the heavier forest there. The purpose of this excursion was to look for suitable trapping locality. The forest margin as well as the mossy forest itself should yield things new and interesting.

This evening I went at hunting with flash light. With the prow we followed along the eastern bay shore and north east lake shore to ½ the distance to the inlet. I saw 1 Rattus and one Stenomys along the lake shore. It was a clear cold night with steam comming off the lake and a full moon above. It is not the best type of night for this type of hunting.

Aug. 11 Lake Habbema, Netherlands New Guinea. 3225 m.

197 mam. types, 190 rat types, 23 stub types —
3 Stenomys, 1 Rattus, 2 Dasycercus (♂♂). 3 stub.

This morning prepared specimens and stubbed traps. An adult ♂ Eudromias was brought in by one of the Dyaks. (see Genus note) This afternoon went to more traps, changing them from the northern bay shore to the heavier forest to the west of the bay. In this rather



localized forest there is a heavy kept schrub growth though wide an scattered a few tall trees. Moss covers the ground, the trunks and lower limbs of the trees with the exception of a few spots where ground runs down

General Account

not seem to shrink as well. The ground rises up the ridge in a northerly direction, swinging to the east around the steep slope then along the border of the forest and finally cut into the grassy valley with tree ferns.

Aug 12 Lake Habbema, Netherlands New Guinea. 3225 m.

185 mouse traps, 190 rat traps, 23 stub traps. —
15 Stenomys (on last also), 1 Rattus, 2 Pogonomys, 1 Hydromys, 1 Pseudocheirus. The Eudromias, (1 bird) was brought in yesterday by a Dyak wood cutter.

Today was spent in preparing specimens and taking care of them. Set out stub traps out in the forest along the mouse trap line. Brought in the 19 stub traps set along the north east lake shore. This evening I went hunting by flash light along the crest of the ridge which runs north of camp. Traveled along slowly for a distance of about 1 kilometer and returned. I saw no animals. The two Dyaks who were also out hunting by flashlight in the grassy valley. They reported having seen 1 "bikus" (rat).

Aug 13. Lake Habbema, Netherlands New Guinea. 3225 m.

185 mouse traps, 190 rat traps 15 stub traps —
4 Stenomys, 1 Rattus, 2 Pogonomys, 1 Phascogale, 3 birds.

This morning radio sked interupted my regular morning work of attending traps and preparing specimens. I did manage to accomplish something, mounted specimens and checked the stub traps (13) set north east of camp. This afternoon I set out 9 stub traps, 2 on the type of stubs of last, and 7 along the line of small traps through the moss forest. They were set in the runways which appeared to be made by some large animal.

Aug 14 Lake Habbema, Netherlands New Guinea, 3225 m.

185 mouse traps, 190 rat traps, 22 stub traps —
3 Stenomys, 2 Pogonomys (2 ♀♀), 1 Phascogale, 1 Pseudocheirus

2 Hydromys, 3 birds.

This morning prepared specimens. This afternoon being rainy and Sunday gave the collectors a rest. I went across the bay with Rand to get a bird of paradise nest and at the same time to look over the lower edge of the forest in that vicinity as a possible locality for a traps line.

Aug. 15 Lake Habbema, Netherlands New Guinea 3225 m.

185 mouse traps, 190 rat traps, 22 stick traps —
3 Rattus, 5 Stromys, 1 bird.

This morning at 7:00 Rand, Brass, Tom and Pete left in search of the Septentrio collecting locality on the south east slope of Mt. Wilhelmina. With them went a sergeant, 3 natives, 1 cook, 3 carriers 10 Dyaks and 6 collectors. They plan on returning tomorrow.

This morning I prepared specimens and rested. This afternoon spent in and about the grassy valley following Stromys runways and looking for their nests. This evening we went hunting by flash light saw nothing. This afternoon the two Dyak collectors brought in 2 Eudromicia which they had caught during this afternoon hunt through the open forest south east of camp.

Aug 16 Lake Habbema, Netherlands New Guinea 3225 m.

185 mouse traps, 190 rat traps, 22 stick traps —
2 Stromys, 1 Hydromys. The Eudromicia were caught yesterday by my two Dyak collectors. 1 bird.

This morning I prepared specimens. The two Dyaks went hunting but returned without having seen a animal. This afternoon I went to the outlet of the lake. Spent several hours in the vicinity looking for suitable spot to set my traps. It would seem that there is suitable spot for 100 rat traps along the marshy border and low brushy hill slops. The two Dyaks

General Account

returned with a small falcon from their days stream looking for mammals.

Aug 17 Lake Habbema, Netherlands New Guinea 3225 m.

185 mouse traps, 190 rat traps, 22 steel traps. —

1 Dasyurus, 2 Steromys, 2 birds

This morning prepared the Dasyurus and collected the line of 95 rat traps and 1 steel trap which were set from the head of the grassy valley over the spur to the west. (south of camp). This afternoon we reset the traps beginning along the north south side of the oldest stream and following it along for ½ kilometer setting traps along the high grass and rocks which border this sluggish stream. Half of the traps were set along this stream the other half on the hill slope to the south of the stream. The lines passed through the following types of habitat: thick grass; open bank with moss and grass undergrowth; thick bush and shrub tree in a moist canyon, moss abundant; over a dry brushy ridge with moss and grass; down a dry brushy ridge with scattered bush clumps, grass, and moss about brushy areas.

The patrol of 25 men including Boyd, Brass, Tea, Pilo, etc did not return yesterday as per schedual so this morning another patrol of 3 soldiers, 1 Dyak, 2 convicts were sent in search and to deliver food to them. The afternoon both parties returned having successfully located a satisfactory collecting camp on the south East east slope of Wilhelmina top. It is some 2 kg. distant from our camp here. They brought back with them a portion of a Wallomys skull, and reported having seen runways of others and also large runways of animals which appear to be large rats.

Aug 18 Lake Habbema, Netherlands New Guinea 3225 m.

185 mouse traps, 190 rat traps, 21 steel traps —

1 Pseudochirus, 2 Phascogale, 1 Rattus, 6 Hydromys, 1 Pogonomys (not saved), 1 Peroryctes 13 Stenomys (2 not prepared).

The morning my daily routine of collecting was disturbed by radio schedule and the arrival of the plane (Gruba) with half of next months provision and 2 passengers (1 Dyak, 1 convict). Last morning prepared a few specimens and this afternoon spent the entire time in preparation and packing.

Aug 19 Lake Habbema, Netherlands New Guinea 3225 m.
185 mouse traps, 190 rat traps, 21 sticks traps.—
1 Pogonomys, 1 Phascogale, 1 Hydromys,
10 Stenomys.

This morning 2 sticks traps and prepared specimens. This afternoon visited the mouse traps removing them from the point west of the bay & along the north west lake shore. The lake begins about mid way between the bay point and the outlet of contours west along the lake margin to the outlet. About 150 of the latter mice set, the remainder will be set tomorrow.

The Gruba with its crew remained here last night. This morning and early afternoon they made 2 flights to the Baliem river of the Grand Valley bringing back Tennis and party (about 24 soldiers, Dyaks, captain etc.) They all returned in good spirits and good health.

Aug 20 Lake Habbema, Netherlands New Guinea 3225 m.
150 mouse traps, 190 rat traps, 21 sticks traps.—
1 Phascogale, 2 Hydromys, 2 Pogonomys (one hypsalius),
2 Pseudochirus, 10 Stenomys.

This morning sticks traps and prepared specimens. This afternoon set out the remainder of the 192 traps along the north side of the outlet stream ½ kilometer down from the north. About 25 of the traps

General Account

were set along the border of the grass and bush some 50-100 yd. north of the stream.

This morning (10:00) the Guba left for the new lake, where van Arken and party waited for its arrival. From the lake the party was transported to Bernhard camp (18 minutes flight). This concludes the opening of the road through from the Idenburg to Hollandia a distance estimated to be 16 days of travel. A radio from van Arken today states that it was 3 days from meeting place in Grand Valley to the new lake.

Aug. 21 Lake Habbema, Netherlands New Guinea 3225 m.

192 mouse traps, 190 rat traps, 21 steel traps — 2 Hydromys, 2 Rattus, 1 Pogonomys (other specimen brought in yesterday), 10 Stenomys, 2 Pseudocheirus.

This morning and early afternoon tended traps and prepared specimens. Late afternoon went across bog and looked about a grass fire which has been burning for the past 3 or 4 hours. The fire is in the upper part of the valley burning along the heavy grass on the upper edge of the small stream, and at the upper edge of the grass where it borders the heavy outer forest. There were no mammals and birds about the fire. I used several tails in front of the fire to see if the animal life was moving before it but apparently it was not for no rats etc were seen although there were numerous runways in the region.

Aug 22 Lake Habbema, Netherland New Guinea 3225 m.

192 mouse traps 190 rat traps, 21 steel traps — 3 Chaeropus, 2 Hydromys, 1 Pogonomys, (1 Pseudocheirus skull only, quit up) 3 Stenomys.

This morning tended traps and prepared specimens. This afternoon reset 96 rat traps.

The traps were taken up from the lake shore beginning from the a point on the west central bay shore and continuing around the bay point and along the lake shore to mid point between bay point and atlt. The traps were set in the mossy forest and bordering heavy bush area. The area of forest in which the traps are set is situated about 1 kilometer north north east of camp. (see spot in which I had previously set 13 traps for Zygodontomys etc). The line begins in the bottom of the gauge in a heavy mossy bush forest and continues north east along the ridge of line stone stick lake. Thruout a heavy mossy bush forest for about 200 yd. From there went down on a thick swamp slope of a large sink hole and turned in a westerly direction proceeding over the rim and on in a south east direction through heavy thick bush. Throughout the entire region there is a ground cover of moss and heavy moss covered on all down limbs, branches, trunks, and fallen trees. The line ends on the bushy point 200 west south west of its beginning.

Aug. 23 Lake Habbema, Netherlands New Guinea 3225 m.

195 mouse traps 191 rat traps, 22 stink traps.
8 Stenomys, 2 Pharcogale, 1 Pogonomys,
1 Hydromys. 1 bird

This morning tended traps. This afternoon reset 8 stink traps removing them from the forest across the bay to the forest in which yesterdays rat traps were set.

Caculated the weight and carrier loads for moving to the next camp below Wilhelmena Top.

Traps 80 K. 4 carriers

General Account

Collecting boxes (2)	40 K.	2 carriers.
Personal equipment	20 K.	1 "

Aug 24 Lake Habbema Netherlands New Guinea. 3225 m.
195 mouse traps, 191 rat traps, 22 shrew traps. — 3 Pseudochirus (one juv. in pouch), 6 Stenomys 3 Plasmogale, 2 Hydromys, 1 Pogonomys (also).

This morning and early afternoon prepared specimens and tended traps as usual. Late afternoon went through the forest west of the bay looking for suitable trapping localities. This forest does not look as productive as far as mammals are concerned as that south & west NNE of camp where I now have 96 traps set.

This afternoon Fox. returned with the patrol (10 ± men) from the Wollo valley NE of camp. He went down to 2500 m. and the upper edge of population. He reports enthusiastically an excellent collecting region in the mossy forest.

Aug 25 Lake Habbema Netherlands New Guinea, 3225 m.
195 mouse traps, 191 rat traps, 22 shrew traps, —
5 Stenomys, 1 Pogonomys (the specimen brought in yesterday)
1 Rattus, 1 Hydromys.

This morning tended traps and prepared specimens. This afternoon remained in camp the rain not permitting field work.

This afternoon the camp has been humming in spite of the rain for tomorrow the first group of soldiers, Dyaks, etc go to establish the Wilhelmina camp. Rand is going up tomorrow with his collectors and a cook to establish or arrange the establishing of camp.

Aug 26 Lake Habbema, Netherlands New Guinea 3225 m.
195 mouse traps, 191 rat traps, 22 shrew traps —
2 Pseudochirus (one a juv from pouch of adult ♀), 1 Plasmogale,
1 Rattus, 3 Stenomys.

This morning tended traps and prepared

specimens. This afternoon walked along the grassy valley ~~west~~ eastward to within ½ mile of the head of the valley when it forks rapidly off to the east forest canyon. The region does not change from that like about the lake the grassy valley with tree ferns along the ~~Lake~~ stream and a swampy forest on the higher ground.

This morning (7:30) Rand and peggy left this morning to establish the Wilhelmina camp. The group consists of the following Dr. Rand, Capt. Tenick, 2 collectors, 1 cook, 22 Dyaks, 14 soldiers, 1 sargent, 11 convicts. Total 53 men.

Aug 27 Lake Habbema, Netherlands New Guinea 3225 m.

195 mouse traps, 191 rat traps, 22 steel traps.

3 Hydromys, 5 Stenomys

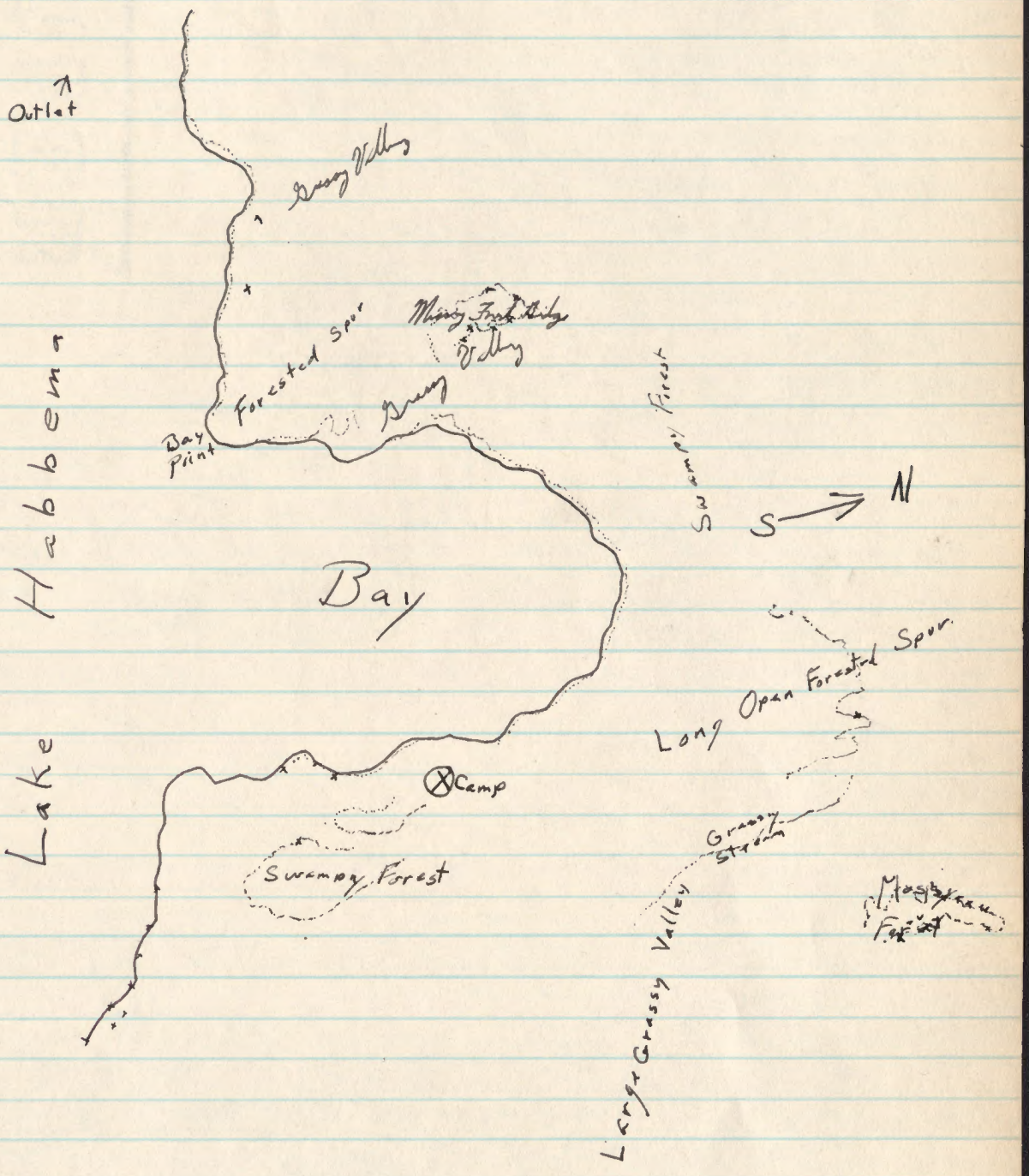
This morning tended traps and prepared specimens as usual. This afternoon explored the grassy ~~banked~~ meandering stream below the atlat rapids. The signs (mound) were not as common as I had expected. They appeared to be ~~Stenomys~~ and the small Rhoeopteb. The signs were not different so as to warrant a study of traps to that region.

This afternoon 11 natives came into camp 3 men and 4 boys. (I did not see them). They accepted gifts and gave in return a few sweet potatoes. They were very friendly, examined camp and returned to the forest. It was also reported by radio today that natives had visited the Idenburg camp bring pigs and cassavas for which they received a bit of tobacco. That shows a lack of understanding of natives or bad judgement on the part of the men in charge, von Arken.

Aug 28 Lake Habbema, Netherlands New Guinea 3225 m.

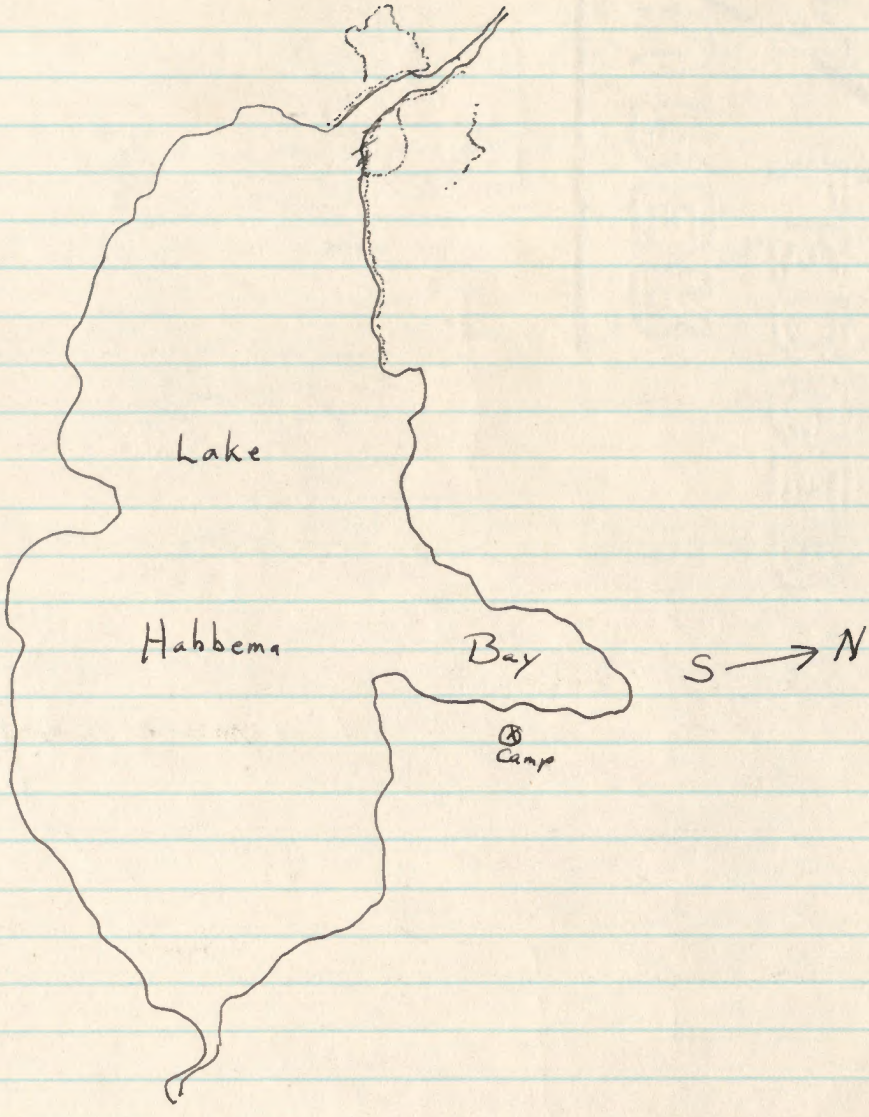
195 mouse traps, 191 rat traps, 22 steel traps —

General Account



..... Red and Marten traps here
.. Skunk traps

Map of Bay Region
indicating trap lines



Map of Lake Habbema
indicating other trap lines.

General Account

1 Pseudochirus, 1 Phascogale, 1 Hydromys, 4 Stenomys
(1 specimen not prepared)

This morning prepared specimens. This afternoon remained in camp recovering from a a dose of poison. Yesterday late afternoon I partook of tea and bread as usual. The cook however had made a new kind of bread which he called "roden". Thinking it, like Brass, Did not myself become ill. It was not until this morning that we learned that he had mixed dernis with the flour, 5 tins used. It had been included in the case of flour "to keep out the insects" by Dr Brass the leader. At present we were all ill, not completely recovered, from the effects of a fair portion in our bread.

This afternoon the native open cave within 40 ft of camp stalked and greeted us in a friendly way. They were by no means shy indicating their desires of barter by gesticulating in the lid of an old tin can. Yesterday the natives were given several. They were given each an axe which they admired greatly especially the little stone polish, held it upright. They indicated their pleasure by snapping their penis gourds with their fingers.

Aug. 29 Lake Habbema Netherlands New Guinea 3225 m.
195 mammal traps, 191 set traps. 22 steel traps.
1 Hydromys.

This morning "piddled" about camp doing odd jobs, etc. This morning 7 natives, 1 small girl, 6 men, stayed near camp. Two of the men came in. They had 3 pigs one of which we bought for 10 cowrie shells (10¢). It is a small pig, 20-30 lbs, but never the less it will give us fresh meat for supper. They were the usual type of native with blackened faces, penis gourd, braided rattan arm bands, coarsely meshed hair net, small meat bag for tobacco etc., and bow with 8-14 arrows which made up their gear. One man carried

a spear some 10 ft in length of a straight piece of (1") hardwood sharpened to more or less of a point at the end. It had a slotted knob about 14" from the end which indicated divided the blade from the shaft. The people were in all appearance quite primitive with few personal goods except the bare essentials to their life.

This afternoon I went in search of Cyclorrhina through the swampy forest across the grassy valley to the NE of camp. Although many trees were cut & pushed over [illegible] in fallen spots and though moss clumps were seen, none were found. Two empty nests were found which quite possibly belonged to such a mammal.

This morning the second group of carriers left for the Wilhelmina camp. which included Dr. Toxopeus, his 2 collectors, his cook, 1 Red collector, 12 Dyaks, 6 convicts, 1 Sargent, 5 soldiers. This afternoon Captain Tinant and his group of convicts, soldiers, and Dyaks returned from the same camp. Dr. Rant remains there with his 2 collectors, cook, 4? convicts, 2? soldiers.

Aug 30 Lake Habbema, Netherlands New Guinea 3225 m.

195 mouse traps, 191 rat traps, 22 stink traps — 1 Mallomys, 2 Stenomys.

This morning stink traps were prepared for the giant rat. This afternoon stayed in camp because of the dull threatening weather. This afternoon 11 natives came into camp. They carried most of their bows and arrows which would indicate that they were not only friendly toward us but trusting as well. Their packs contained remnants of what appeared to be Dactylomys (sp?), Dorcopsis, and some big rat.

Aug 31 Lake Habbema, Netherlands New Guinea 3225 m.

195 mouse traps, 191 rat traps, 22 stink traps — 4 Stenomys.

General Account

~~Catalogue~~

This morning tended traps, prepared specimens and checked in the 93 rat traps, and 194 mouse traps and 2 stub traps which were brought in by my collectors from the lake shore and about the outlet stream. This afternoon packed bird and mammal skins in preparation for their shipment to Hollandia.

This morning another friendly visit of the 11 natives which came in camp yesterday evening. This afternoon another group of 12 natives came into camp to trade sweet potatoes for cowrie shells. Unfortunately their prices were too high and their quantity too small to do much trading. Did however buy a few potatoes. The diet of these people is cowrie shells. They have little desire to trade in tobacco. Mixings are also good, fish and although fond of salt a chunk gets only a small bit ~~of~~ pinch of potatoes.

Sept 1 Lake Habbema, Netherlands New Guinea 3225 m.

96 rat traps, 22 stub traps — 2 Stenomys

This morning collected the rat traps and 13? stub traps from the mossy forest 1 kilometer NNE of camp. Spent the remainder packing equipment for the trip to the Wilhelmina camp. Tomorrow ~~*~~ 3 sacks of traps, 1 collecting box, and my pack of about 60 lbs are going up. The day has been the worst one in the history of our camp. Overcast and intermittent showers throughout the day.

The sciplane for Sukarnapura flight to Habbema today was cancelled because of the weather.

Ward returned with cook & collector from the upper camps. Came down for the purpose of observation trips over Wilhelmina top by air. Trip in 7½ — 8 hrs.

Sept. 2 Lake Habbema, Netherlands New Guinea 3225 m.

9 stub traps, — 0 bird.

This morning the Guba arrived with 2700 lb. of men, gear, and food for the military party (see page 399). Specimens were returned to Hollandia. Afternoon spent on the lake with Rand looking for white winged duck. Numbers (50±) were seen but were unable to get within range for a shot.

Sept. 3 Lake Habbema, Netherlands New Guinea 3225 m.

9 stub traps — 1 Pseudochirus

The unsettled weather prevented the Guba from making its trip to Habbema today. Heavy clouds this morning and this afternoon intermittent showers. Packed equipment, developed pictures today. Most of the time however was spent in "piddling."

Sept. 4 Lake Habbema, Netherlands New Guinea 3225 m.

9 stub traps — 0

This morning the Guba came in with its provision and gear for the American party. The presence of the plane in camp is certainly stimulating not only for the Europeans & for the other members of the expedition Indonesian and Chinese but a maximum of flying time.

A short observation trip (3 hr.) was taken over the vicinity of Wilhelmina. R.A. wanted to look for a suitable route of ascent of the mt. With a party as large as ours a (10±) easy ascent will be essential. The best and most logical route at present seems to be along the east ridge. This route appears to be more of a scramble rather than the rock climb which I had expected.

Guba left for Hollandia soon after

General Account

11:00 o'clock.

There were some 200 or 30 natives in camp this morning anxious to trade anything for the small cowrie shells. Large cowrie shells, matches, beads, salt, etc. bring very little in exchange. The purchased bows, arrows, axe, fur headdresses, armlets, necklaces, penis gords, spears, and other "nic-nacks". They were very friendly and apparently without fear of the airplane as it came and left.

The afternoon was spent in packing provisions for the two camps. (4 loads tomorrow, 5 loads the 7th, and 5 loads the 13th) There are six months provisions for the camp there. (See Route notes for list of materials) XX Also packed up my own goods for storage or shipment (2 loads tomorrow, 1 load the 7th).

Sept 5 <u>Ilaga NE Wilhelmina Top, Netherlands New Guinea 3540 m</u>

9 set stub tops, 1 mast stub top — Left with Mr. Ellis at Kabbena to attend during his duration a radio operator in that camp.

This morning (7:40) we left for the two camps at the base of Wilhelmina Top. The camps is now eight hours distant from Kabbena, 2/3 of it traveled the first day & the second day. A small, mid way camp has been constructed which has blankets, and a few provisions for the traveling party. At this camp there were 5 men, including soldiers and convicts. We reached the mid way camp by noon or a little after and the last of our party was in by 2:00 (See Route notes for number in party) Near mid way camp a falcon nest was discovered which Rand wanted to observe so I proceeded on to the upper camps in his place. He had previously planned to come straight through with R.A. collecting boy and Sonya the cook.

Arrived in camp at 5:00 finding Fox his cook, collector, 2 grade collectors, 1 sargent, 5 soldiers, 2 convicts all well and apparently happy. They seemed to be a bit uncomfortable because of the cold but I hope they will soon get over that. The camp is in good order. There are soldiers and convicts barracks, they will each be housed in for the dyak collectors, perygeneration tent, dineing tent, store tent, Reed and R.C. tent, Fox's tent, and frames and floors for kitchen, cook tent, and Braun and my tent. Walks have constructed between the buildings so that we can move about without getting our feet wet feet. Cover is being made during kitchen constructed, W.C. ect. In short it is a very well built camp.

Sept. 6 7 hr N.C. Wilhelmina Tarp Netherlands New Guinea 3600 m
To hope

This morning the transport came in, Reed, Archbold, Braun, Fenich, collectors, cook, Dyaks, soldiers, convicts etc. They were in camp by 11:45 and the carriers with soldiers ready to return to the Between Camp for the night.

The day has been spent in settling camp, the kitchen tent and fly and Braun and my tent were put up. The Dyak collectors have made beds, in their adults of poles and grass. Stores and collecting equipment have been arranged. Radio put up. Etc. It has been a rather cloudy day with rain in the morning and again in the afternoon.

Sept. 7 7 hr N.C. Wilhelmina Tarp Netherlands New Guinea 3600 ft.

Today has been a very wet one, rain and mist almost the entire day time. During

General Account

the slack periods managed to get out two lines of rat traps, one of 149 traps along the base of the rock cliff. It is in a variety of habitats within this region of the cliff base, — long brushy stream side, long tussock grass stream side and slope, brushy slopes, mossy forest slopes, base of cliffs with rock crevices, grassy patches beneath cliff, etc. The other line of 38 (total of 187 traps) rat traps was set along the grassy reverse and broken fruit of the dead of the camp valley. Here there are small runways and it was in these that the traps were set.

The count today which checked with previous counts of the traps in camp is — Rat traps 187, Mouse traps 194, Steel traps 15 There will be more which are scheduled to arrive with tomorrows transport.

Sept 8 2 km NE Wilhelmina Top, Netherlands New Guinea 06.00 m.

187 Rat traps — 1 Pseudohydromys, 1 Xydromys, 1 Rattus, 9 Stromys (3 discarded). 1 Ore Stromys shot by collector discarded.

This morning stocked traps and while Moores was left to prepare the specimens the two Dyaks and I set out the small mouse traps. The line begins near camp and follows along the open brushy stream course South East up the canyon. It goes such for about ½ kilometer and then goes on to the side hill slope, through brushy region, in open grass slope and finally along the grassy base of a large limestone cliff. From the cliff base it goes down through the heavy moss covered brush and for a short way down the open grass canyon slope. The line goes for about 300 m highly then camp and passes through most of the conceivable habitats of the hill slope east of camp.

This morning the transport arrived

bringing with it food and equipment including 11 Stub traps. 55 Rat traps 18 Mouse traps.

This afternoon Rand and I went up to the saddle looking into the left valley of the fork of W.V. The lower slopes (below the saddle) bordering the camp valley are heavily wooded with a thick growth of mossy trees with scattered small trees. Near the top this is broken with rock outcrops and open grassy patches. A short distance from the trail and about ½ way to the saddle Rand showed me the remains of the deadfalls which had been built by the Papuans. They consisted of a runway of sticks some 1 yd in length and about 6 inches wide placed so as to include a part of what had previously been a large natural runway. At the end were sprung logs about 6 in in diameter which had probably been used as the falling log. I noticed it takes some stub traps in this region

Sept 9 7 km. NE Wilhelmina Top Kuthubark New Guinea 3500 m.

187 rat traps, 194 mice traps — 10 Stenomys.

This morning finished traps and set 6 stub traps 1½ km SW of camp near the old Papuan deadfalls. Here the are large patches of heavy timbered forest (moss covered) with open grass spaces between patches. If was in runways between the patches that these traps were set. This afternoon set 4 stub on the ridge NE of camp. Here there are similar open grass areas between the heavy bushy timber with trap runways connecting the two or more.

This afternoon (4:00 ±) a group of 10 ± Papuans came within 100 yd of camp and

General Account

and made their night camp beneath a rock cliff. The party includes 1 small girl, 3 boys, 1 youth and the rest men. They were not unfriendly then of the men coming near camp and exchanging greetings and one even came into have a look around. Regardless of this they gave us to understand that we were to remain in our camp and they in theirs. They were gayest with meat the men have and took as that men were about Habbema. They indicated by signs that they had been traveling for about three days and were to continue in a South West direction.

Sept 10 Zhn NC Wilhelmina Top, Netherlands New Guinea 3560 ft
187 net traps, 194 more traps, + 10 Stuh traps —
5 Stenomys (1 discard).

This morning tended traps and set 2 more stuh traps 1/2 SW of camp (near others). This afternoon was rain so did no field work.

This morning a small transport (7-15 men) went to the upper camps with food and equipment for Archbold and Terrick. Archbold was unable to move up because of misunderstanding about carriers for his personal equipment. He and Rand will go up tomorrow. This morning about 11:00 a large transport from Habbema came in with van Arkel, Hulo, Schneider, Myer Diamond carriers, soldiers, etc. They brought in provisions and equipment for their stay while they climbed Mt Wilhelmina.

About 7:30 PM the porters broke camp and passed by camp "within 1 ft (A.L.R.), and up the hill to the north east. At this camp they left a smoldering fire and a few cut branches.

This afternoon set out 18 more traps and 5 rat traps in the heavy moss-timber near east of the cliff. (100 yds SE of camp).

Sept 11 2 km NE Wilhelmina-Top, Netherlands New Guinea 3560 m

192 rat traps, 212 mouse traps, 12 shrew traps — 1 Rattus, 1 Pseudohydromys, 1 Mallomys, 4 Stenomys. 1 bird.

This morning strobed traps and set 7 more shrew traps on the ridge ½ kilometer S & W of camp. One of the traps previously set here had been sprung by a dog (dung was within ½ m of trap). I have seen fresh tracks and droppings along the mountain trail and Archbold & Brass both reports having heard the call from the ridge S & W of camp. There are no pig signs but dog signs are relatively common.

This afternoon strobed traps and prepared specimens.

This morning Archbold and Rand left with the transport for the upper camp. Archbold took with him 50 rat traps and 6 shrew traps as well as one of my collecting bags. I hope that he is successful with fly trapping for the things about that camp should prove very interesting.

Sept 12 2 km NE Wilhelmina-top, Netherlands New Guinea 3560 m.

192 rat traps, 212 mouse traps, 20 shrew traps — 9 Stenomys, 1 Pteromyscus, 1 Pogonomys. The Rattus was dug at its nest.

This morning strobed traps and prepared specimens. This afternoon went in search of new trapping localities about the edge and along the stream of the camp valley. Rain prevented an extended search.

This early afternoon Mayer Drees left for the Between Camp with 2 Dyaks, 1 convict, 2 rations to collect botanical specimens in that region. He went voluntarily and only after a proper "gelt" from Brass. As usual he denied all previous agreements & knowledge of them.

General Account

Sept 13 2 km. NE Wilhelmina-toppe Netherlands New Guinea 3560 m.
192 rat traps, 212 mouse traps, 20 stick traps —
1 Pseudocheirus, 1 Pogonomys, 2 Stenomys.

This morning tended traps and prepared specimens. This afternoon was spent in looking over the west side of the camp valley for localities in which to set traps. The bend where the grassy valley joins the forested slopes appears to be very rich; both from the forest itself on the grassy valley. Near the end of the valley on the west is a nice open forest region which may prove a valuable spot to set traps (stick) traps for there are numerous bare runways thru.

About 9:30 the Guba came flying overhead and up to the camp above, circled it several times dropping the mail, fresh fruit, and radio reels. Went thru to Kabbena, stopped thru to deliver post etc. and then back to Hollandia.

This afternoon while setting looking for places to set traps we were approached by natives and they themselves were apparently surprised. There was a group of eight, 4 m., 2 girls, 1 woman with child. They were "Nip" people going to a region east of the Balem. There were two pigs with the party one of which I endeavored to purchase with a string of beads. They refused to sell. I gave the women (3) beads and and they in turn gave me 5 sweet potatoes. They continued along the trail at a rather rapid walking pace often looking back as if expecting me to attack.

Tea. went to upper camp.

Sept 14 2 km. NE Wilhelmina-toppe Netherlands New Guinea 3560 m.
192 rat traps, 212 mouse traps, 20 stick traps —
6 Stenomys, 1 Pseudohydromys.

This morning tended traps and prepared specimens. This afternoon went 151 rat traps and 18 mouse traps. They were removed from the head (east) of the camp valley where they were set along the rocky bed of the stream. The new line continues along the southern

part of the cliff, portion not previously trapped in, and continues along the lower S.W. edge of the camp valley for about ½ the distance of the valley and then it goes up the hill slope to 50-100 m.

This morning a transport came in from Kabbera with food and supplies.

Took up 36 rat traps which were set about camp 8 and tomorrow to the camp above.

Sept 15 2 km. NE Wilhelminatop, Netherlands New Guinea 3560 m.

151 rat traps, 212 mouse traps, 20 stink traps — 1 Perogytes, 1 Pogonomys, 1 Rattus, 17 Sturomys (4 discarded) The Phascogale was captured yesterday by one of my collecting boys.

The day spent in finding traps, preparing specimens, and taking care of the dry material.

At noon Meyer Dees returned from the (Tisom) Between camps with his two days of botanical collection.

A transport went up to the camp above this morning and returned with a note from Rod saying Archbold is on the peak and will not come down until after the 16th.

Sept 16 2 km. NE Wilhelminatop, Netherlands, New Guinea 3560 m.

151 rat traps, 212 mouse traps, 20 stink traps — 1 Perogytes, 1 Pogonomys, 1 Phascogale, 1 Exulromicia, 9 Sturomys (4 discarded).

This morning finished traps and prepared specimens. This afternoon went the mouse traps (189) from the canyon NE of camp to the NE side of the camp valley. That is in the open forested slope of the valley. There are numerous small runways through the mass of grass of the past burns and it is in these that most of the traps are set.

General Account

Sept. 17 2 km NE Wilhelmina Top, Netherlands New Guinea 3560 m.

151 rat traps, 207 mouse traps, 20 steel traps. —
1 Eudromicia, 2 Rattus, 1 Dasyuromys, 1 Pseudochirus,
18 Stenomys (2 discarded)

Spent the day tending traps and preparing specimens.

This morning (7:30?) Bruce and two of his collectors moved up to the camp above. (At Segge Valley Camp) Note from Archbold says that he is having difficulty finding a good route to the top of Wilhelmina. I hope that he will soon discover one.

Saw a group of 10 or 15 natives along the track leading from the base of camp with their usual bundles. They would have nothing to do with me except to beckon me away from their party. The party consists of men and women both carrying bags and bags of what appeared to be sweet potatoes. The men would not move my exhibition of "Pap".

Sept. 18 2 km E NE Wilhelmina, Netherlands New Guinea 3800 m.

151 rat traps, 207 mouse traps, 20 steel traps
6 Stenomys, 1 Pogonomys (from 2 km NE Wilhelmina top)

This morning tended traps #1, prepared specimens, and packed my equipment to move to Segge Valley Camp.

At 1:00 PM left camp with my collecting boy Osang, 3 Dyak carriers (1 for Mahtang), and 2 soldiers. We followed Mt Pogonomys path SE from camp past an unnamed lake and up over a saddle to Segge Valley and camp arriving there at 2:30. The camp here is situated at the base of a small grassy hill at the edge of timber line. Everyone has arrived well and happy especially Rand for today he obtained a new species of bird, the first from this camp.

At the camp below I left two collecting boys, Marcus and Jolong, with 151 rat traps, 287 mouse traps and 4 stick traps. I gave them instructions to trap them each morning and to prepare the materials taken. Then days from today they are to move ½ of the 2 type lines to a new locality and for each day following until all the entire traps have been changed. Marcus the Ambonese is in charge.

Today I brought egg with me, 11 stick traps and 1 rat trap which are to be set at tomorrow.

Sept 19 2 km E Mt. Wilhelmina Netherlands New Guinea 3800 m.

16 traps. This morning Reed and I went up the Snow Valley for about 1 kilometer. He was looking for birds and I out in pasture. I was looking for mammal signs and a place to set the 11 stick traps. Small runways of the family Muridae in the region particularly along the borders of grass patches. About the base of the talus slides where the larger boulders have rolled up and though they have been grown short by mice and bush are larger runways which appear to be those of Hallomys. Small runways go under through the bushy areas bordering the large talus and seem to disappear in the open alpine grassland. They are many openings beneath these boulders and about these droppings which apparently belongs to this animal. In the lower grassy areas there is a third type of runway which seems to go indiscriminately through the grass. There are many small shallow burrows and mounds which have been dug up in these regions. These I believe are made by Bandicota.

25 I discovered the secret of the

General Account

~~Catalogue~~

and pubic Rand found yesterday. Pellets of some of the skeleton parts were saved. (To be examined later)

This afternoon I set out 11 stub tops and 1 rat trap ~~and~~ east of camp 1½ miles and shot the old traps and tables.

Mayr, Diver & Schrock came up from the camp down below the forest to help Brass collect botanical specimens in the region. He later to go on the patrol to W. top.

Sept. 20 2 hrs. C.M. Wilhelmina, Netherlands New Guinea 3800 m.

87 rat traps, 17 stub traps - 2 Strongs

This morning Archbold, Rand, Teichert, Schrock and carriers left camp (7.50) in search of a suitable route up Mt. Wilhelmina. The went over the saddle, south of camp, on to the south slope of the easterly ridge of Mt W. Archbold left with me his collecting boy and traps which I am to run to the best of my ability.

Tended traps and secured specimens this morning. This afternoon the two collecting and myself went to 84 rat traps and 6 stub traps. The line begins 30 m. above the level of camp and continues in a S.S.E. direction up the side of an open forest slope, through a grassy saddle and onto the Wilhelmina ridge below the precipitous rock wall. The hilly region was a very old, taller slope which has been overgrown with moss, grasses, and bushes the grasses however dominating. Through this grass there are many runways probably belonging to Strongs, Pennycks and Mallomys.

Morning I went down to the lower camp 19 skins and skulls of mammals collected by Archbold during his stay at the camp.

Rain again the evening.

Owl pellet examination.

#1 – 1 Mallomys jaw + subadult (Very recent)
#2 – 1 Mallomys " (Very recent)
#3 – 1 Mallomys subadult (Very recent)
#4 – 1 Mallomys jaw (Very recent)
#5 – 2 Pseudocheirus ? (Recent) Material saved
#6 – 1 Stenomys (Recent)
#7 – 2 Stenomys (Old)
#8 – 1 Stenomys (Old)
#9 – 2 Stenomys (Old)
#10 – 3 Stenomys (Old)
#11 – 2 Stenomys (Old)
#12 – 1 Mallomys jaw. (Old)
#13 – 1 Mallomys jaw. 1 Stenomys (Old)
#14 – 1 Pogonomys, 1 Stenomys (Old)

Here are parts of skulls which were saved. Owls were picked up at the roost and apparently a year or more old for the pellets had disintegrated, leaving the bones in a scattered heap. At one time it had apparently been used considerably, possibly as a resting site.

A collector (one of Ronda) came in today with what he believed to be owl pellets. The former proved to be those of Mallomys and several partially decayed skulls. Part of the material (scats) were saved.

Sept 21 2 km. E Mt. Wilhelmina, Netherlands New Guinea 3800 m.

87 rat traps; 17 shrew traps – 1 Pseudocheirus, 3 Rattus, 7 Stenomys (2 decomposed), 2 birds. Pogonomys taken by cook from west basin.

This morning study traps and prepared specimens. This afternoon finished up preparation. The heavy mist and rain from about 11:00 on prevented any field work this afternoon.

A transport of 4 Dyaks and 2 soldiers came up from the lower camp with food stuff.

General Account

Sept 22 2 km. E Mt. Wilhelmina, Netherlands New Guinea 3800 m.
87 rat traps, 17 shrew traps — 1 Perogale,
1 Stenomys, 3 Rattus.

This morning the boys tended the traps and I went down the valley to a rock which Bryce had previously pointed out to me. This rock was one of a number of very large boulders which had come with the talus into this valley but because of their size had not been overgrown with moss and grass as the smaller ones had. This particular rock was 15' x 50' x 50' in size and on edge resting on another boulder so that beneath there was a large dry protected area. Scattered about were a number of bones (as noted used) which had apparently come from two or more sources. One pellet of 24 dried pellets was found containing 2 Stenomys and the other bird bones probably grass. Beyond from remains on kitchen middens of Papuans for among the bones were several pieces of pandanus nuts and the remains of a very old fire. I attribute the larger mammals to this source. There are two other possibilities to account for this or part of this bone accumulation one being Dasyurus and the other being dog. There were a few old scats at the back of the cave 1/3" x 4" which might be attributed to the former.

Prepared specimens during the late morning and early afternoon. The remainder of the day was spent in the tent because of heavy mist and rain.

Sept 23 2 km. E Mt. Wilhelmina, Netherlands New Guinea 3800 m.
67 rat traps, 17 shrew traps — 3 Rattus,
2 Stenomys.

This morning tended traps and prepared specimens. This afternoon took a short trip

back to the rock below yesterday & found all normal remains. Then we came over here and searched about the region for the possible place where mammals might occur (and mammals & bugs other than biting midges).

The day has been very wet, rain and mist the entire time. We ~~xx~~ can came through for a short time (11 min) this afternoon but soon closed in again with its accustomed mist.

This morning 4 Dyaks and 2 convicts came in from the party above (Archbold, Ryd, Tenink and Schrenk). They asked for 4 more days food and a few sundry supplies. A gust from Dist & breeze stirred the mountain mist enough to reveal from the east or east, the appearance of two ridges leading in from the west and it was this hope that one of these may prove a good point to the top. They have had only 2 days climbing ~~xx~~ in guard of a possible route during the past 4 days. Bad weather, rain, mist, ~~xx~~ have kept them in their camp. Tomorrow permitting they will move camp toward the west & the their transport arrives.

This morning a transport came up from the camp below with 4 Dyaks and soldier escort.

Information concerning Archbold trapping in this region — Total 19 specimens ## 4951 to and including ## 4969. From 13th to 19th.

50 rat traps + 6 steel traps out to line on the 11th, out on the 12 (7 days)

36 " " " " " " 14th, " " " 15? (4 days)

50 + 6 × 7 = 350 + 42

36 × 4 = 144

494 rat traps 42 steel traps = Trap nights

General Account

Sept. 24 2 km. E Mt. Wilhelmina, Netherlands New Guinea 3800 m.
87 rat traps, 17 stink traps — 2 Rattus,
3 Stenomys

This morning tended traps and prepared specimens. This afternoon remained in camp because of the rain and mist.

The transport of 4 Dyaks and 2 convicts and 2 soldiers left at 7:00 for the party camped on the south slope of the mountain. A note from Rapp who came back with the soldiers (11:15) stated that they were moving their camp onto the west slope of the mountain.

This morning Dr. Talbot came up with 1 Dyak and 1 soldier. He reported the following. — Small transports coming from Hollandia to the lower camps every other day. Carries had reduced from 21 to 16 kilos per man. All men in good health except for one convict at Hollandia who has malaria. Said convict will not work for several days.

Sept. 25 2 km. E Mt. Wilhelmina, Netherlands New Guinea 3800 m.
87 rat traps, 17 stink traps — 1 Rattus
3 Stenomys

This morning tended traps (in rain) and prepared specimens. Resting in the camp this afternoon because of the bad weather. Rained most of last night, all morning and on until about 5:00 this evening. Have the traps as set and the weather very perfect. Hope it will stay that way for tomorrow I want to move traps.

Sept. 26 2 km. E Mt. Wilhelmina, Netherlands New Guinea 3800 m.
87 rat traps, 17 stink traps — 2 Rattus
2 Stenomys, 1 Pogonomys.

This morning the boys tended traps and Brass and I went up Grass Valley to the second lake (4150 m). This lake is

very small, situated in a depression at the northern base of the north cliff face of Mt Wilhelmina. We passed by two of Kuyunu old camps, on only a short (300 m) above camp no 4 the other down, below camp. The former was probably made by the natives passing "to the east" the other on of their main camps.

This morning during the few minutes of clear weather were only to see on the slopes of the st. Most of the day however it has rained, clearing for a short while this last afternoon but soon clouding over and raining.

Sept 27 2 km. E Mt Wilhelmina, Netherlands New Guinea 3800 m.

87 rat traps, 17 shrew traps — 1 Stenomys (discard) 4 Rattus (discard), 1 Pogonomys, 1 Chaeropus 1 Peroryctes.

This morning removed the traps (83 rat, 6 shrew) from the north facing slope of the east ridge of Mt Wilhelmina. They were next again on the east slopes of a hill west of camp. These traps were set in * vegetation varying habitats from the forest margins, long grass hill slopes to boundary thickets.

This afternoon prepared specimens.

Today has been the first good one during the past week. There was sun and clouds intermittently but no rain until about 5:00 this evening.

Sept 28 2 km. E Mt Wilhelmina, Netherlands New Guinea 3800 m.

84 rat traps, 17 shrew traps — 1 Pseudochirus, 1 Pogonomys, 5 Stenomys.

Serviced traps and prepared specimens this morning. This afternoon remained in camp because of bad weather.

This noon Archbold, Rand, Fenwick, Shreeve, 4 Dyaks and 4 convicts returned

General Account

from Mt Wilhelmina. Fly for hour about the south and west side of the mountain for the last 8 days looking for a route to the top. Due to bad weather (4 days) and a insufficient time they were unable to read the summit or to find a suitable route to the top. Archbold brought in a portion of a Thylacine skull from the 1st camp (rock camp) on the 4th side.

Are planning to break camp during the next few days and move back to Habbema.

Sept 29 2 km. E Mt. Wilhelmina, Netherlands New Guinea 3800 m.
84 nat traps, 17 stuck traps — 1 Steromys
1 Eudromicia.

This morning brought in all traps and sent them with specimens, and some setting down to the camp below. 2½ carrier loads in second transport.

About 7:30 Archbold, Rand, Brass left with big load of baggage for the lower camp. Their plans are to remain there today and tomorrow if possible start toward Habbema. It is the question of carriers which may cause the delay for a day or two.

Fox left at 10:30 with the second transport to the lower camp.

Today we started abandoning this camp. It has been fun living the Dyaks, soldiers, and convicts. The gunpluss food and watching them gorge themselves. Soap, matches, and rope are also in great demand.

Collected grass nest for Rand this afternoon.

Sept. 30 7 km NE Wilhelmina top, Netherlands New Guinea 3540 m
No traps out.

Information concerning Marcus + Jalong' results trapping here while I was at upper camp:

Number of specimens — 77 (See Catalogue pag 35 et seq)
Days set — 11 Sept 19 to and including 29
Traps — 9 stuck, 151 rat, 207 miss
Trap nights — 99 " 1661 " 2277 "
1641
Total trap nights — 4037.
3938
Number of trap nights per specimen 52 +

This morning we, Captain Deering and I, left the Snow Valley camp for this camp. It was the final clearing out of the camp, abandoning food stuff and other unnecessary gear bringing down only specimens and equipment necessary for the continuation of the expedition.

Van Arken and a transport left this morning from this camp toward Between Camps. (Van Arken plans to go through to Kabbena) They have with them my specimens (3 boxes) and traps as well as collecting equipment.

Today has been spent about this camp preparing for an early start toward Kabbena.

Oct 1 ~~Lake Kabbena~~ Netherlands New Guinea 3225 m

16 traps out.

This morning left the 3560 m. camp at 6:30 and arrived at Kabbena about 12:00. My 3 collecting boys, the cook and my equipment came in with the transport.

Carriers ~~x~~ 4 ± (about 45 lbs) — traps
" × 2 (" " 2½ — collecting gun + specimens.
" × 1 — bedding
" × 1 (about 60 lbs) — radio.
" × 2 — tents + bags.
" × 1 — kitchen utensils.

There are three boats now at the upper camp which belong to the American party.

Two transports arrived here today 1 from Between Camp and the other from the 3560 m. camp.

A transport of 20 carriers left today to remove material left

General Account

Oct 2 Lake Habbema, Netherlands New Guinea 3225 m

No traps.

Today was spent about camp drying specimens in Brasses oven and attending to odd jobs.

Natives in today from two tribes "Moirs" and "Pisigam". Their (2) words for nets including Stungs, Mabongs, Pieks, Pandabus, and Pharangah in "Bit" & "Bik". Traded their sweet potatoes and informed them that we desired meat. Hope they prove to be good collectors.

The last of the transport returned today from the upper camp with remainder of my equipment. 2 carriers loaded but 4 flies for the Japanese party. The other 17 carriers had military and Dutch equipment.

The Baba tried twice today to come in to Habbema. Each time we could hear the motors through the clouds but no plane appeared. Solid overcast prevented them coming through. Why take the risk.

Oct 3 Lake Habbema, Netherlands New Guinea 3225 m.

No traps.

Drying specimens and doing odd jobs about camp.

Today the Baba came in bringing ½ of the current months food rte. It is the first time in the past three days that the weather has opened enough to let it in. After leaving the lake soon 10 a 15 minutes we again saw and heard the plane. According to their report they had flown into a hail storm and ice had accumulated on the ship itself. Schulz, von Arcken, Woods, and Ebeli returned to Wallenia with the plane.

Oct 4 Lake Habbema, Netherlands New Guinea 3225 m.

76 traps.

Spent day at camp drying specimens.

Ford is busy collecting material for grays. I am beginning to wonder what we are going to have all of the material which he is collecting. The preparations & skins that are ready fill and he is only started.

Gebo had arrived this a Sterling today. Hope the tomorrow weather permits its flight here.

Oct. 5 Lake Habbema, Netherlands New Guinea 3225 m.

76 traps.

Today spent in packing specimens & collecting material for grays.

Today the Gebo came in with plane crew; Rodger, Brown, Booth, & Bennett; and Dr. Hello. Dr. Hello report all in order at Sterling camp, few sickness on malaria, and clear well that camp. The Gebo will remain here until the 8th. the crew of which will aid in collecting grays.

Today radio from van Arkey report the river, Edenberg very high; one of the barrels is in the water.

The Dyaks on mine had by the "capella" came to request to be sent home. They say that the weather is too cold and work too hard. There is probably something deeper than that behind their request. They were paraded by Cpl. Tennis Hello, Fox etc. I hope there will be satisfactory and lasting.

Flashed off M. Chubbs 27 days collecting here with Ford at the upper camp.

Totaled traps from Sept. 6 to Oct. 2.

Traps. 10 steele

Days 27

270 — Traps night.

General Account

Specimens obtained — 0.

Oct 6 Lake Habbema, Netherlands New Guinea 3325 m.

No traps

Today was spent working on the grays. This morning and early afternoon taking pictures and developing them this evening. The pictures turned out quite well considering subjects and very poor lighting.

Natives were in camp this afternoon with sweet potatoes, axes, bows and arrows, etc for sale. The cost of a small pig (about 2 pt) was purchased for 1 conus shell. Did purchase a green looking pipe the first of that sort of thing I had seen in this region. It was made exactly like our pipes except the bowl (inside) was much smaller, the stem was apparently a tubular piece of wood. There was a piece of what appeared to be animal gut covering the outer bowl and stem.

Oct. 7 Lake Habbema, Netherlands New Guinea 3225

No traps.

For the exception of odd jobs little has been done today (Sunday). The continual rain has prevented working outside and made the place a "wet hell" in general. Despite the rain and my bad humor managed to help Bozo put the food stuffs for the flower compound also I developed two rolls of pictures.

A number of Papuans came in this afternoon. I purchased them potatoes and a few other nick-nacks they possessed.

Oct 8 Lake Habbema, Netherlands New Guinea, 3225 m.

No traps.

Today has been a very busy one. This morning and early afternoon was spent

in making photographs of subjects for group. (See photographic catalogue) Late afternoon was spent in packing my equipment for transport to the camp below. Consists of the following.—
6½ carrier loads for traps.
2 " " of collecting equipment etc.
1½ " " for radio.
1 " " " food (7 days)
½ " " " kit.
1½ " " " barong etc.

I shall have tomorrow providing the Gala arrives in the morning. If not I will have to remain here until it comes in.

Gala with crew, Archbold, Mayr, Hess, Fox's cook boy, Archbold's boy, specimens and rest of the group, etc. left this morning for Ballendin.

A transport, the first, with Bruno, Tom, and 30± carriers, and soldiers went to establish the 2800 meter camp.

No pigeons today in spite of the good weather. I suppose they are all interested in the construction of the lower camp. Hope they prove useful in bringing in specimens.

Oct 9 9km NE Lake Habbema, Wilhelmina Top New Guinea 2800m.

No traps.

This morning Gala came in bringing Jansen, Jacobs,

They were much pleased in camp and it working. They inspected the camp, had tea and returned. Fortunately today was ideal for their visit. the best we have had for the past several weeks.

At 12:45 left Habbema for this camp arriving here about 3:30. The trail is NE of Habbema up a ridge from the grassy valley and down into the forest.

General Account

The camp itself is situated in the bed of what is appears ~~to be~~ the many point on the north facing slope of a tributary canyon of the grand valley. Tonight is being spent in a temporary camp near a papuan village (Silimanti natives. A permanent camp is being constructed some 100 yd ~~to~~ the SW. The forest is being cut and the floors for the huts and ~~the~~ are being built over the latter. It is going to be a pleasant compact camp when finished. All geodesy plants remain unmolested. They ~~X~~ each have an owner. This was quite apparent this morning ~~Accordingly~~ Brass when trouble arose from cutting a few nuts of one of these valuable nut trees. The trouble soon passed ~~over~~ when the owner(?) received a shell for the damage.

Oct. 10 ~~9 hrs. N.E. Lake Habbema, Netherlands New Guinea~~ 2800m

No trips.

Today has been spent in setting up camp. The three personal tents are up, the dining room fly, the collecting boys fly, the preparation tent, the military barracks fly all up. There remains the kitchen, the cook tent, stores tent, Telemike tent to put up.

There were about 50 natives in camp, a friendly lot ever anxious to sell their sweet potatoes or bananas and watch the progress of camp building. A large quantity of sweet potatoes were purchased for 1 shell for 15 large potatoes. I have spent some time in trying to convince them that we were interested in "Bik" (rats) but to no avail. They did however bring in a puppy for which we paid 1 shell ("We were robbed")

This morning about 10:30 Ford, Terrill and transport arrived. They had 13 local carriers

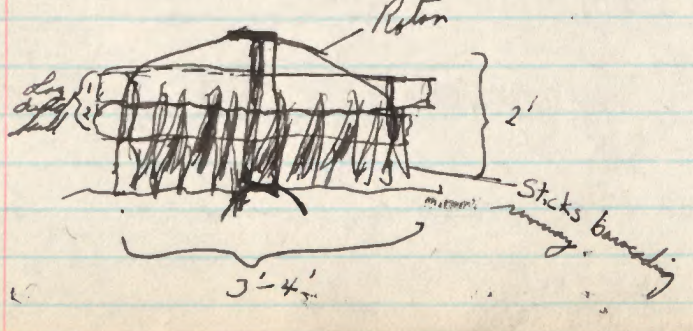
Oct 11 Gbn NC ~~Mt~~ Lake Gabbera Netherlands New Guinea 280 am.

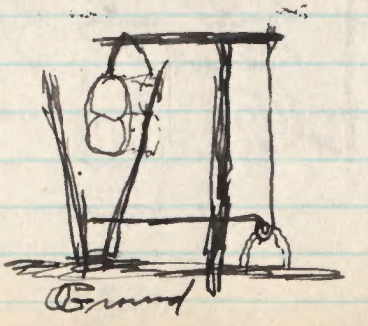
No traps ~~Passenger~~ set by collectors and moths brought in by natives.

Today time spent in setting traps 229 (3 broken) rat traps, 125 ± mouse traps 10 ± stick traps. The rat traps were set to the east and south east of camp in trails through the mossy forest. The mouse traps & stick traps are set in the south and south west of camp. This region is what Brass calls the mossy forest. It is composed of a moderately heavy growth of forest trees which are laden with moss. The ground and the latter is also covered with moss. It is in hilly and small trails though this moss covers that the traps are set.

There are still a number of Papuans about camp hanging in waiting to be all, helping with the cleaning etc. Mangus has solicited the help of two natives to help him in his work, trapping, making camp, etc. They appear to be quite apt at forest life and take into the work readily. There were 16 today that came in with the transport each bringing approximately 20 kilograms.

During the setting of traps through the jungle today I saw 2 dead falls and 3 traps which appeared to be snares. The dead falls were similar in construction to those seen at the camps above. These however were new and so ready set (old traps) and so I could see the manner of preparation.





General Account

The snares were not set so I am unable to describe the action of the spr. In each case there appeared to be a twig set in the earth with stake. At the entrance there was a piston across a catch of sensitive which was kept taught by a spr. spring stick.

Oct. 12 9 km NE Lake Habbema, Netherlands New Guinea. 2800 m.
125 mouse traps, 224 rat traps 10 stick traps. —
3 Melomys (2 sp), 13 Stenomys (1 discarded).

This morning prepared specimens. This afternoon set mouse traps and stick traps in the mossy forest north of camp.

Today a transport came down from Habbema with 1 convict and 7 Papuans.

Ordered by radio 2000 shell traps and 1000 glass headed pins. Shell traps are the ones used by Tate on last expedition at other traps to make up the 2000 beginning from #6501. (Information given over radio. See order No 12)

Oct 13 9 km NE Lake Habbema, Netherlands New Guinea 2800 m.
205 mouse traps, 224 rat traps, 19 stick traps. —
2 Melomys, 9 Stenomys.

This morning tested traps and prepared specimens. This afternoon set out ? ? stick traps but glass rain was unable to do much on the way of field work.

The natives have for the most part been friendly and helpful. They have carried cargo from Habbema to our camp, brought in sweet potatoes, taro, bananas, 1 Pteropus, 2 birds, some butterflies. Help with the building of camp and in doing the little things such as

getting in his wood etc. They have also been a plague by getting in our way, but the worst of all is this occasional threats of life with bows and arrows. The first trouble was the day before I arrived in camp when some gardens here were injured by putting timber for camp. The boss gubernatis was quieted with a couple of tins. Then yesterday the cook after being annoyed for some time by a pagan finally to get rid of him forcibly did so in the unlawful way of pushing him off the platform. The pagan making off to camp and returned with bow drawn. His anger was appeased by Tenni and the cook got back the matter over and patched his savagery with a sufficient quantity of Rapp".
Later in the day the guard was instructed to clear the camp of natives for the night. This was done in the rather rough manner of giving a mouthful then got by force. The result was that on of this party returned with bow and arrow. The affair was soon turned into a joke and the affair passed over. Today Roy and at nothing my three collecting boys were threatened by a native as they passed near their house. There was no harm done but it was a rather unpleasant situation. The native who did the threatening this afternoon acted as my guide. I hope that he may be more peaceable tomorrow.

Oct 14 9 km NE Lake Habbema, Netherlands New Guinea 2800
205 mouse traps, 226 rat traps, 26 shrew traps—
1 Melomys, 2 Stenomys, 3 birds. The two

General Account

Plasciogales were shot by Brassa collecting boy.

This morning finished traps and prepared specimens. This afternoon looked over the region to the east of camp for a possible trapping locality. Along the ridges, to either side of the crest should prove to be a profitable locality as well as interesting.

No rumbles with natives today. 27 of them carried food etc from Bokondini down.

Made a check on the boiling point apparatus today the following.

9:00 AM	— Boiling point	90.9	Air temp.	12
10:30 AM	— " "	90.8	" "	13
1:30 P.M.	— " "	90.8	" "	10
4:45 P.M.	— " "	90.8	" "	12

Yesterdays Boiling point reading 90.9 air temp 13. Archbold calculated the altitude as 2660 m. Something is wrong somewhere.

Oct 15 9 km. NE Lake Habbema, Netherlands New Guinea, 2800 m.

205 mouse traps, 226 rat traps, 26 shrew traps. —
1 Lorentzimys, 3 Melomys, 1 Stenomys, 2 birds

Prepared specimens and looked traps this morning. This afternoon one of Brassa boys showed Rand and I an owls roost. It contains a number of skeletal parts some of which I shall collect tomorrow. Went for a hunt along the ridge to the west of camp; followed it along for several kilometers and returned along the ridge to the north. No mammals were seen but much interesting country; forest to the west past with occasional openings along the ridges.

The Dr Hula arrived today with a large transport.

Oct 14 9 km. NE Lake Habbema, Netherlands New Guinea 2800 m

205 mouse traps, 226 rat traps, 26 shrew traps —
1 Pseudocheirus, 3 Melomys, 3 Stenomys, 1 bird The
3 Plasciogales were not taken in traps. 2 were shot by Rand and the other brought in by a native.

This morning tended traps and prepared specimens. This afternoon was spent in hunting and looking over the country along the ridge to the east of camp. Returned to the camp at 4:30 and this morning and collected pellets and skull remains. There are at least 7 sp. in this debris that I have not collected here. Material identified in 5 old pellets. —

1st 2 Melomys
2nd Portion of large mammal, probably Pseudochirus.
3rd 1 Pseudochirus, 1 Uromys
4th 1 Bat (insectivorous), 2 Melomys (small sp.)
5th 1 Melomys

Oct. 17 9 km. NE Lake Habbema, Netherlands New Guinea 2800 m.

205 mouse traps, 226 rat traps 26 stick traps —
6 Uromys, 3 P. lasiopus, 1 Uromys
2 Melomys

This morning tended traps and prepared specimens. This afternoon went 220 rat traps and set 3 stick traps along the ridge to the east of camp and in the canyon to the south.

Transport arrived today. No papaws carrying.

Dr. Folk and Capt. Fleming left this morning for the Habbema camp.

Oct 18 9 km NE Lake Habbema, Netherlands New Guinea 2800 m.

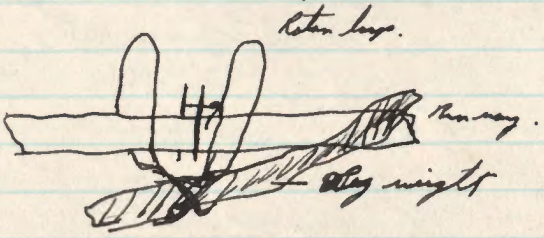
205 mouse traps, 220 rat traps, 29 stick traps —
2 ♀ P. lasiopus, 1 Eudromicia, 1 Pogonomys
3 Uromys (2 stranded), 4 Melomys. The Mystic
was taken yesterday evening by Dr. Fosgrave collecting boy: 1 P. lasiopus was captured by my collecting boys.

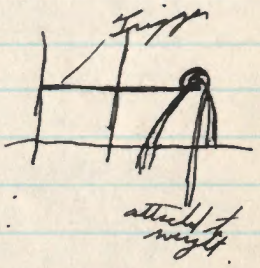
This morning tended traps and prepared specimens. This afternoon took a short trip up the stream in search of a good place to set traps. Remained in camp late afternoon because of unpleasant weather.

Saw a new or rather a different type of rat trap this afternoon. It was a rattan

General Account

affair set on a tripod by across the stem.





Oct 19 9 hrs. NE Lake Habbema, Netherlands New Guinea 2800m
205 mouse traps, 220 rat traps, 29 stink traps. —
2 Phascogale, 2 Pogonomys, 1 Melomys, 2 Stenomys.
One Phascogale #5187 was brought in by natives.

This morning tended traps and prepared specimens. This afternoon set the rain ceased took a short stink up the trail. I have been given the duty of buying the native provender and tending the kitchen. The latter time left is a pleasant deviation from my regular duties.

This morning the small mouse traps and 24 of the stink traps were taken up. They were not set this afternoon because of bad weather. Weather and God permitting they will be set tomorrow.

Large transport arrived today from Habbema with reserve food and collecting equipment.

Oct 20 9 hrs NE Lake Habbema, Netherlands New Guinea 2800m.
220 rat traps, 3 stink traps — 1 Stenomys
1 Melomys, 2 birds.

This morning tended traps. One collector prepared the 2 specimens and baited rat traps. The 2nd collector (2) and 2 set 198 mouse traps and 24 stink traps. This afternoon took a hike down the trail for about 1½ kilometers and then onto the ridge to the east. Trapping, that is signs, in that vicinity poor.

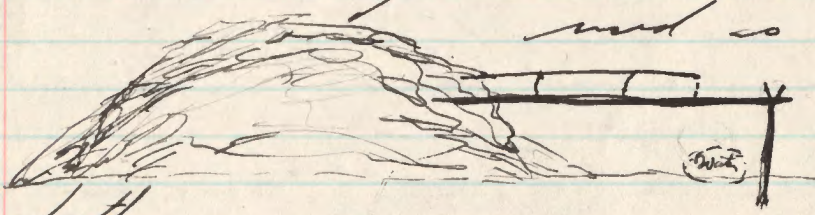
Captain Ellerin returned from Habbema with transport. 14 natives carried today.

Oct 21 9km. NE Lake Habbema, Netherlands New Guinea 2800m.

198 mouse traps, 220 rat traps, 29 stub traps - 1 Phascogale, 4 Melomys (1 sp.), 13 Stenomys (2 discards) 3 birds. 1 Phascogale was shot by my collecting boy.

This morning tended traps and prepared specimens. This afternoon explored the area to the north west of camp. The appears to be some very interesting trapping regions along the heavily forested slopes of the plateau range.

One thing which interested me was a native bird blind. A small dome shape hut 3ft high and six feet across. A perch was built at from the base, a small stick about ½" in diameter, secured at the ends and by a forked stick in the ground. Loaded & within a foot and a half of the end is a pile of bark thongs which the native ties to trees & runs into native bird on his perch. On the end of the perch on the top of the stick is a clump of moss to catch any miss fired arrows. In front of the perch is a small peak & mats which appears to be used as a gabion for the bird to sit on before reaching his death



Oct 22 9km NE Lake Habbema, Netherlands New Guinea 2800m.

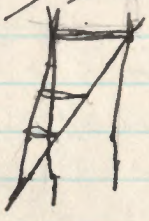
198 mouse traps, 220 rat traps, 29 stub traps - 1 Lorentzimys, 1 Phascogale, 1 Melomys, 2 Stenomys. 2 birds. Of the 2 the Phascogale was shot by collecting boy, the other brought in by a native.

This morning tended traps and prepared specimens as usual. This afternoon hunted down the ridge north west of camp.

Saw new type of hunting device a framework

General Account

of sticks lashed together with rattan or jungle vine. At the top of this framework, some 8 ft above the ground, the native sits waiting for birds or mammals.


Set.

It was constructed in rather an open area in the bush so that the natives could see the game.

A Navy transport arrived today with supplies and equipment for the reserve party (2). There were 7 natives carrying today.

This evening the Dr. has a patient unconscious with malaria.

Oct 23 9 km NE Lake Habbema, Netherlands New Guinea 2800m

198 mouse traps, 220 rat traps, 29 shrew traps —
1 Anisomys, 2 Melomys, 1 bird., 1 Stromys (discarded)

This morning tended traps and prepared specimens. This afternoon reset 216 rat traps and 3 shrew traps along the heavy forest and bush of the stream near bank. This evening watched for bats. 4 individuals seen 3 flying in the edge of the forest some 50 or 60 feet from the ground. In the air rapid flying but about the two types. Last evening Bruce heard on crabbing on the roof of his tent and found he observed numerous (?) insect wings about the light. It is a strange place for bats to feed.

Oct 24 9 km. NE Lake Habbema, Netherlands New Guinea 2800m

198 mouse traps 216 rat traps, 29 shrew traps.
1 Pseudochirus, 1 Hydromys, 1 Pogonomys, 1 Phascogale
2 Melomys, 3 Stromys, 2 bird. 2 Phascogale
brought in by natives, 1 Phascogale shot by collector.

This morning set camp afternoon tended traps and prepared specimens. Last afternoon explored the stream below camp as a possible locality it is called to set traps for water rats.

This morning a transport came in from Habbema. There were 3 natives besides the Dyaks and soldiers carrying.

Oct 25 9 km. NE Lake Habbema, Netherlands New Guinea 2800 m.

198 mouse traps, 216 rat traps, 29 shrew traps. 1 Platacanthomys?, 3 Stenomys, 1 Stenomys and 1 Melomys brought in by natives. 1 Phaeogale shot by Europeans.

This morning tended traps and prepared specimens. This afternoon rest 193 mouse traps and 14/26 shrew traps. This afternoon along the stream (at 2700 meters) below camp. The region is that of second growth vegetation on the hillsides along the stream banks. The vegetation is brushy with few scattered forest trees.

Oct 26 9 km. NE Lake Habbema, Netherlands New Guinea 2800 m.-2700 m.

193 mouse traps, 216 rat traps, 17 shrew traps. 1 Dorcopsis, 1 Pseudochirus, 1 Phaeogale, 6 Melomys, 6 Stenomys, 1 White eared Phaeogale brought in by natives, 1 black striped Phaeogale brought in by Dyak.

This morning tended traps and prepared specimens. This afternoon prepared specimens. Did not go into the field because of the rain.

Rod observed a living Phaeogale today. See his field notes.

Reset 12 shrew traps and 4 mouse traps along the river east of camp.

Oct 27 9 km. NE Lake Habbema, Netherlands New Guinea 2800-2700 m.

197 mouse traps, 216 rat traps, 29 shrew traps. 1 Melomys, 2 Hydromys, 1 Pogonomys, 2 Stenomys, a part of what appears to be Uromys, 2 birds. The 2 Phaeogales were brought in by natives.

This morning tended traps and prepared specimens. This afternoon hunted north west of camp over the ridge and into the next canyon.

General Account

saw nothing of particular interest in the way of mammals or ~~xxxx~~ mammal signs. Most of the region is that of Salix forest of a type in which I have already thoroughly trapped.

This evening watched for bats as usual between 6:25 and 6:55. None were seen. Only 2 nights during the past week have I seen one or 2 individuals flying light about the tree near the camp clearing.

Oct. 28 9 km. NE Lake Habbema, Netherlands New Guinea 2800 m

197 mouse traps, 216 rat traps, 29 stick traps. 2 Lorentzimys, 2 Melomys, 4 Stenomys. In 1 Anisomys, 1 Pharcopsis, and 1 Pogeromys brought in by Papuans.

This morning finished traps and prepared specimens. This afternoon looked over the lower ridges to the NW of camp. Here there is a large sago forest and along the stream or canyon there are garden areas. Between these two habitats there appears to be a good trapping area, one where I should get animals from both habitats and especially those that need both types of vegetation for their existence.

This afternoon Jos returned from a trip down the trail. He reports a medium size river and gardens within 2½ hrs. from camp.

Oct. 29 2 km NE Lake Habbema, Netherlands New Guinea 2800 m.

197 mouse traps, 216 rat traps, 29 stick traps. — 1 Dasyurus, 2 Pharcopsis, 2 Melomys, 2 Stenomys, 1 Pogonomys. The Dasyurus #5272 shot yesterday afternoon by collecting boy. The Perameles, 2 Pharcopsis brought in by natives.

This morning I tried without success to repair the radio. This afternoon prepared specimens.

At noon today Bruce, Terrick and party returned from a 5 day scout of the next camp site. Bruce reports a suitable site some 6 hrs below

at the upper edge of population.

A transport came in today of Dyaks, Convicts and Soldiers.

Weather: 6:00 to 15:00 clear; 15:00-17:00 overcast; 17:00 - 20:00 heavy rain.

Oct 30 2 km. NE Lake Habbema, Netherlands New Guinea 2800 m

197 mamm traps, 216 rat traps, 29 steel traps.
2 Melomys, 1 Pharcopsis, 2 Stenomys, 1 Anisomys.
The natives brought in the following:
6 Pharcopsis, 1 Melomys, 1 Stenomys,
1 Phalanger.

The collectors started traps, measured and prepared the specimens today. Those in the catalogue followed by an * were brought in by collectors. The numbers in the margins may be disregarded. They were made due to a misunderstanding with the head collector.

This morning at 6:55 I left with a small transport; 5 Dyaks, 2 soldiers, 1 sergeant; for Habbema. The purpose was to bring up the small dismantled radio and return with one of the AWA sets. This we did. Habbema is certainly a deserted place. Most of the huts are down and the general place is one of gradual ruin. There are a few soldiers remaining there as guard who sort of rattle around in the camp as an old maid in a big house.

Returned here about 2:00; 2 hours 20 mins to Hut 2 hr 30 min down; Set up the radio and prepared messages. Feel rather weary although it has not been a hard days travel.

Weather: 6:00 - 12:00 hazy shifting clouds.
12:00 - 20:00 heavy rain.

Oct 31 2 km NE Lake Habbema Netherlands New Guinea. 2800 m

197 mamm traps, 216 rat traps, 29 steel traps.
1 Pogonomys, 3 Melomys, 1 Stenomys, 1 Pharcopsis.

General Account

1 Phascogale #5305, and 1 Dactylonax brought in by natives. 1 Phascogale #5307 shot by collecting boy.

This morning tested traps, prepared specimens and tinkered with the radio motor generator. The storm went down the trail and the distant rain crossed the station and upon the open to the N.W. Tested the engine out with the idea of setting traps there. The area along the river, the storm side, appears to be the only thing to offer new and different leads. The open is covered with a Sana forest and the same as those typed in about the camp.

Weather 6:00 to 20:00 High overcast with occasional openings.

Nov 1 9 km. NE Lake Habbema, Netherlands New Guinea 2800 m.

197 mouse traps, 214 rat traps, 29 stub traps.

1 Pseudochirus, 2 Melomys, 1 Stromys. The natives brought in the following 2 Pseudochirus, 3 Rattus, 1 Phascogale, 1 Pseudochirus, 1 Pygmomys, 1 Pygmomys, 1 Melomys. Dr. Fraser shot 1 Phascogale #5317

Tested traps this morning and the remainder of the day has been spent in camp preparing mounts and overhauling the Delco motor. The bearing in the rocker arm of the brush printer would freeze when the motor became hot. Reaming of the bearing seems to have solved the difficulty.

This morning took up the rat traps and 3 stub traps. The Dyaks today wired the wooden tops of the traps to the metal base of each trap.

The transport returned from the camp below which is at present being established. A note from Terwint states that the trip down took several hours, 2, longer than expected because of high water in the river. The natives are friendly and at present he is trying to establish a Papuan government about the camp; 2 Chiefs + 2 police.

Nov 2 9 km. NE Lake Habbema Netherlands New Guinea 2800 m.

197 mouse traps, 26 stub traps —

1 Pogonomys, 1 Melomys, 1 Stenomys
The natives brought in 1 Phascogale, 1 Cadernicia.
2 Phascogales shot by Rudo collecting traps.

Today was spent for the most part trying to repair the radio. Effort but I have been unsuccessful but I hope that trouble will soon be discovered & repaired.

This morning began setting traps, set some 60 before the heavy rain drove us back to camp.

This morning the 2nd transport left for the camp below. 49 Papuans carried. If they continue to carry in about the same numbers our belongings will soon be in the camp. According to Tarinko report 80 natives (carrier days) carried from Hebbera to this camp.

Weather 6:00 - 8:00 overcast
8:00 - 10:00 broken overcast with shifting opening.
10:00 - 16:00 overcast & rain.
16:00 - 20:00 overcast with occasional opening.

Nov 3 9 hr. NE Lake Habbema, Netherlands New Guinea 2800 m.
197 museum traps, 60 rat traps, 28 shrew traps -
2 Melomys, 1 bird, 1 foot of a Pseudocheirus.
19 Rattus brought in by natives.

This morning went 90 rat traps and 1 shrew trap and prepared specimens. This evening afternoon prepared specimens and worked at - for odd jobs about camp.

Watched for bats this evening but as on the rainy & misty evenings none were seen.

Transport returned from the camp below "Bele" river. They will return tomorrow with another load. There are Papuans there who wish to carry.

Weather 6:00 to 20:00 overcast with intermittent heavy rain

Nov. 4. 9 hr. NE Lake Habbema Netherlands New Guinea 2800 m.
197 museum traps, 150 rat traps, 29 shrew traps.
3 Melomys, 2 Stenomys, 1 bird.

General Account

This morning tended traps, prepared specimens and rigged the tent for drying specimens. This afternoon went hunting along the east bank of the river. Saw no mammals. Came back early because of rain.

Transport left this morning with soldiers, Dyaks, convicts and 37 Papuas. This afternoon 11 additional went down unescorted. There were 15 loads of the American party taken by the first party.

Weather: 6:00 – 20:00 overcast with occasional small opening in morning and light rain in afternoon. Last night there was a very heavy rain.

Nov. 5 9 km. NE Lake Habbema, Netherlands New Guinea 2800 m.

197 mouse traps, 150 rat traps, 29 steel traps – 4 Melomys, 4 Stenomys, 1 Anisomys. The following brought in by natives, 1 Pseudochirus, 1 Phascogale, 1 Mallomys, 1 Dactylonax.

Today was spent in collecting traps, preparing specimens and packing specimens and equipment. Tomorrow I leave for the 2200 m. camp. I am leaving the radio here for Brass. The Transmitter will be taken to Habbema.

Weather: 6:00 – 10:00 clear.
10:00 – 14:00 light broken clouds.
14:00 – 20:00 overcast with occasional rain.

Today a transport came down from Habbema, as well as are returning from the camp below.

Nov. 6 Belle River, 18 km. N Lake Habbema, Netherlands New Guinea 2200 m.

No traps. Natives brought in the following – 1 Dactylonax, 1 Phascogale, 5 Melomys, 7 Rattus, 1 Stenomys.

Left camp (2800 m.) with a transport load for this camp at 7:00 and arrived here about 11:00. It is a rough slow trail due to recent rain, cut logs, and slippery soil. The part was that of a native path crossing the camp sites some 3 or 4 kilometers below them a series of ups and downs, with most of the latter until the final last drop of a

steps 300 m. slope into the gorge of the river. Here for the first time we see cultivated gardens (small) and permanent houses with thatched grass roofs. The trail comes in at the forks of the river, the portion we are using the larger of the two. The other is probably the same stream which runs past camp (2800 m). After striking the river we followed it along for about 3/4 hr. to camp which is constructed at the junction of the "Bele" and "Ger-guy". The camp is well situated at the forks of the river on a rise of land. At present it consists of the native and Dyak quarters, preparation shed, cook shack, and tent for the 4 whites Jarvis, Dr. Hale, Fox and myself. There are also superstructures to prevent sun and rain for the drying of the necessary tents and flys. This camp appears to be ideally located for here we have virgin forest, river, second growth and gardens in which to collect.

Weather: 6:00 – 20:00 overcast with occasional small gusts in morning

Nov. 7, Bele R. 18 km N Lake Habbema, Netherlands New Guinea 2200 m.

No traps. The natives brought in the following: 2 Cuscomicus, 1 Melomys, 2 Phascogale, 2 Rattus.

This morning set out 218 rat traps and 5 stick traps. This afternoon prepared specimens and started one of Brass's ovens for the drying of my mammals. The numerous shell bags has made it difficult to dry specimens. The papuans have brought in a number of good things since we have been here. I hope that their interest and desire to catch mammals continues.

Weather: 6:00 – 12:00 light broken clouds.
12:00 – 20:00 overcast with intermittent rain.

Nov. 8 Bele R. 18 km N Lake Habbema, Netherlands New Guinea 2200 m.

218 rat traps, 5 stick traps – 1 Melomys

General Account

1 Rattus. The following were brought in by natives:
1 Mallomys, 1 Anisomys, 2 Melomys, 1 Pleurogale.
10 Pogonomys, 8 Rattus

This morning tended traps, prepared specimens and set at about 90 mouse traps and 2 stink traps. This afternoon prepared specimens.

Locality of trap lines. The traps set yesterday begin at camp through old grassy garden and second growth, along the steep rise slope in rocky stream with virgin forest, here cross several land slips; up the canyon slope and over the ridge through heavy forest; into a newly cleared garden; through an old but producing garden, down the ridge slope toward camp through second growth forest; about grassy clearing of native houses; through abandoned grass grown garden. This line is in the general direction NE from camp covering a distance of not over ½ km in line. The traps today were set S W of camp over ½ km. through a forest of the canyon slope and along the ridge. The latter, along the ridge, had been well worked over by natives pigs and so I consider it a very poor place to trap.

Weather: 6:00 - 12:00 overcast.
12:00 - 13:00 large broken clouds.
13:00 - 20:00 overcast with intermittent rain.

Nov. 9 Bele R. 18 km N of Kali Kallum, Netherlands New Guinea 2200 m.

90 mouse traps, 218 rat traps, 7 stink traps.
1 Melomys, 1 Stenomys. The following brought in by natives: 26 Rattus, 3 Pleurogale, 3 Melomys 1 Stenomys

This morning tended traps, the rest of the day was spent in preparing specimens.

Weather 6:00 - 8:00 - overcast.
8:00 - 20:00 large shifting clouds with occasional complete overcast and light rain

Nov 10 Bele River, 18 km. N Lake Habbema, Netherlands New Guinea 2200 m.

90 mouse traps, 218 rat traps, 7 stick traps. —
1 Pseudochirus, 1 Stenomys, 2 Melomys. The following
brought in by natives: 2 Phascogale, 4 Melomys,
1 Stenomys, 8 Rattus.

This morning up at 10:00 tended traps and
prepared specimens. The remainder of the
day was spent in watching a native dance
and feast put on in our. It consisted of
a dance, pig killing, preparation and cooking of pigs (4),
smearing our hands with grease and blood, eating of roast pig,
ear making pig, being sprinkled with blood and water,
inspecting groups of men and group of women, the feast,
and the buying of the pigs.

Today the transport arrived from the
2800 m camp and with it Bruce + Rand. The
camp is abandoned, all material + food stuffs
have been moved down.

Weather 0:00-14:00 hazy broken cloud. 14:00-20:00 overcast, rain.

Nov 11 Bele R., 18 km N Lake Habbema, Netherlands New Guinea 2200 m.

90 mouse traps, 218 rat traps, 7 stick traps —
#5486
1 Melomys. The natives brought in the
following: 4 Pogonomys, 12 Rattus, 4 Stenomys,
6 Melomys

This morning tended traps and prepared
specimens. This afternoon took a stroll up the
canyon above across the river from camp to
the north, up the little above, through
gardens and second growth, into the
primary forest to the main trail. Followed
the main trail to the west through the
forest and into gardens and to the first
house. Natives very friendly. From there left
the main trail and down the ridge
through another second growth forest to
the river trail some 3 km above camp.

Irving, Fox + Dr. Hall left this
morning for the landing place on
the Baliem River with a party of 10 soldiers,
12 Dyaks, and 11 convicts.

General Account

Weath: 6:00 - 20:00 overcast with rain in afternoon and evening.

Nov 12 Bele R. 18 km N Lake Habbema, Netherlands New Guinea 2200 m.
90 mouse traps, 218 rat traps, 7 steel traps. - 1 Stenomys #5496
1 Melomys #5504. The following was brought in by natives: 4 Melomys, 5 Rattus, 1 Dactylomys, 9 Anisomys, 2 Pseudocheirus, 3 Phascogale.
The morning tended traps and prepared specimens; the afternoon prepared specimens.
Today the Dyaks set at 22 steel traps in the forests & canyon slope N of camp.
Weather: 6:00 - 9:00 overcast
9:00 - 14:00 low shifting clouds with occasional low spurring
14:00 - 18:00 overcast, rain.
18:00 - 20:00 - clear.

Nov 13 Bele R., 18 km N Lake Habbema, Netherlands New Guinea 2200 m.
90 mouse traps, 218 rat traps, 29 steel traps: -
1 Melomys #5540. The following was brought in by natives: 1 Dorcopsis, 1 Pseudocheirus, 25 Rattus, 1 Melomys, 1 Pseudocheirus, 2 Phascogale, 8 Pogonomys, 1 Uromys 1 Eudromicia. The specimens from 9 km NE Lake Habbema #5548 to #5557 were collected and prepared by A.S. Reed.
The morning early tended traps. The remainder of the day was spent in preparing specimens. The evening packed a box of dried skins to be taken to Habbema tomorrow.
Weath 6:00 - 18:00 overcast.
10:00 - 15:00 low clouds with occasional small spurring.
15:00 - 20:00 overcast.
Last night there was a heavy rain.

Nov 14 Bele R. 18 km N Lake Habbema, Netherlands New Guinea 2200 m.
90 mouse traps, 218 rat traps, 29 steel traps -
1 Phascogale, 1 Stenomys, 1 Lorentzimys. The natives brought in the following: 2 Anisomys

1 Stenomys, 12 Melomys, 2 Dactylomys, 2 Leporycteris, 1 Hyomys, 1 Phascogale, 4 Eudromicia, 1 Dasyurus.

The early morning was spent in ~~xxx~~ testing traps: the remainder of the day in preparing specimens.

The morning 7:10 Rand with small transport left for Habbema. They are to remain there until the Baliem removes the specimens and equipment.

Natives brought in a pig for which they agreed 20 shells. On the other hand they willingly and with enthusiasm except 2 shells for a large Pseudochirus.

Weather 6:00 - 20:00 broken overcast with occasional opening. no rain.

Nov 15 Bele R. 18 km N Lake Habbema, Netherlands New Guinea 2200m.

198 mouse traps, 218 rat traps, 29 stink traps - 1 Lorentzimys, 2 Melomys. The natives brought in the following: 17 Melomys, 3 Stenomys, 1 Rattus, 5 Pseudochirus, 1 Dorcopsis, 4 Leporycteris, 1 Phascogale, 1 Mallomys, 2 Anisomys.

The day was spent between the radio and the preparation of fly.

Yesterday forgot to mention that the remainder of the mouse traps were set along the line of stink traps in the forest west of camp.

Weather 6:00 - 14:30 clear with scattered clouds.

14:30 - 20:00 overcast with rain.

Nov 16 Bele R. 10 km N Lake Habbema Netherlands New Guinea 2200m.

198 mouse traps, 218 rat traps, 29 stink traps. - 1 Hyomys, 2 Melomys, 1 Stenomys. The natives brought in the following: 3 Leporycteris 4 Phascogale 7 Pogonomys, 4 Melomys, 2 Anisomys, 1 Phalanger 1 Eudromicia.

Today for the most part was spent in preparing mammals although some time was taken

General Account

up with radio.

The Guba made a trip to Pahang then to Grand River, and up to Hollema.

Weather: 6:00 – 8:00 dull overcast.
8:00 – 14:00 clear with occasional cloud.
14:02 – 16:00 storm to north.
16:00 – 20:00 overcast and rain.

Nov 17 Bele R. 18 km N Lake Habbema, Netherlands New Guinea 2200 m.

198 mouse traps, 218 rat traps, 29 shrew traps.
1 Planigale, 2 Melomys. The following brought in by natives: 2 Mallomys, 1 Phalanger, 1 Dromys. 2 Anisomys, 10 Pogonomys, 15 Melomys, 5 Stenomys, 1 Hydromys 1 Pteromyscus, 5 Cuscus.

Tended radio and rats today and nothing else. The natives are still bringing in more material than I can care for.

The Guba did not make scheduled flight today because of the weather.

Weather: 6:00 – 9:00 dull broken overcast.
9:00 – 12:00 broken clouds, large openings.
12:00 – 20:00 overcast rain.

Nov 18 Bele R. 18 km N Lake Habbema, Netherlands New Guinea 2200 m.

198 mouse traps, 218 rat traps, 29 shrew traps –
1 Melomys. The following were brought in by natives: 1 Mallomys, 6 Planigale, 5 Pteromyscus, 59 Rattus, 26 Melomys, 2 Pseudochirus, 1 Dasyurus, 1 Phalanger.

The morning was spent at the radio and the remainder of the day preparing rats. Prepared skulls only of a quantity of material which had been accumulating and which I had previously had no opportunity to care for.

The Guba made its flight to the Baliem and to Habbema today.

Weather
6:00 – 12:00 clear.
12:00 – 20:00 overcast with rain.

Nov 19 Bele R. 18 km N Lake Habbema, Netherlands New Guinea 2200 m
198 mouse traps, 218 rat traps, 29 stub traps – 0
The natives brought in the following: 22 Melomys, 10 Stenomys, 2 Chalomys, 1 Hydromys, 6 Anisomys, 1 Phascogale, 11 Pogonomys, 3 Pseudochirus.
Again today my time was spent at radio and rats.
Boyd returned this morning from Habbema. It camp there is to be abandoned. He brought with him the repaired transmitter and so now after 18 days we are again "in the news".
Gaba made flight to Grand River today.
Weather: 6:00 – 12:30 generally clear with occasional drifting cloud.
12:30 – 20:00 overcast with heavy rain.

Nov 20 Bele R. 18 km N Lake Habbema, Netherlands New Guinea 2200 m.
198 mouse traps, 218 rat traps, 29 stub traps –
1 Rattus. The natives brought in the following:
6 Pseudochirus, 2 Anisomys, 1 Chalomys, 2 Pteromyscus
20 Melomys, 18 Stenomys, 1 Uromys, 4 Phascogale
This morning was spent tending traps and preparing specimens. The afternoon in preparing specimens.
This last afternoon a native came in and by the use of signs led us to believe that one of the native women had been attacked by soldiers, and that the men were at Ibeking for pay back. We left denying the question but one of the police also denied the ~~the~~ report. Regardless all soldiers out of camp today were rounded up and questioned. There was a good deal of stir in camp over the affair which is now dropped until tomorrow if further development. The ground is bubbled.
Weather: Unsettled all day, clouds, rain, sunshine.
Took up the rat traps and stub traps at east of camp in the forest.

Nov 21 Bele R. 18 km N Lake Habbema Netherlands New Guinea 2200 m
198 mouse traps, ~~218 rat t~~, 24 stub traps. –

General Account

1 Phascogale. The natives brought in the following: 1 Hydromys, 2 Uromys, 1 Anisomys, 2 Pseudocheirus, 16 Melomys.

This morning was spent in setting the rat traps in the forested ridge east of camp. It is high and in a more open forest than that previously set in. Logs scarce with scattered undergrowth and little. The latter part of the traps lies is in an old cut over and grass land garden area. The 90 mouse traps and 2 stick traps set on Nov 21st of camp were taken up today and reset in the forest to the north. The latter was done by the collecting boys.

There was no more information or no signs of interest among the natives that a native woman had been attacked by soldiers. It is apparently a false story.

Weather: 6:00 - 05:00 - generally clear with few scattered clouds.
1500 - 20:00 - overcast with light rain.

Nov 22 Bele R. 18 km N Lake Habbema, Netherlands New Guinea 2200 m.
198 mouse traps, 206 rat traps, 29 stick traps - #5947 to 5950 inclusive.
2 Melomys, 2 Stenomys
The natives brought in the following: 1 Pseudocheirus, 6 Pandocheirus, 5 Phascogale, 4 Anisomys, 13 Melomys, 4 Phalanger, 1 Echymipera, 1 Pogonomys 2 Stenomys.

This morning traded traps and prepared specimens, this afternoon prepared specimens. The natives are still bringing in quantities of material.

Weather: 6:00 - 18:00 overcast with occasional small spells, light afternoon rain.
1800 - 20:00 clear.

Nov 23 Nov 22 Bele R. 18 km N Lake Habbema, Netherlands New Guinea 2200 m
198 mouse traps, 206 rat traps, 29 stick traps -
1 Dasyurus, 1 Melomys, 1 Stenomys. The

following were brought in by natives: 8 Pogonomys, 6 Anisomys, 2 Phalanger, 22 Melomys, 1 Perogytes, 1 Dactylomys, 2 Phascogale, 1 Pseudochirus

This morning traded traps and prepared specimens. This afternoon prepared specimens.

Today for the first time native women came into (near) camp & sell sweet potatoes.

Weather: 6:00 – 12:00 Scattered clouds, sunshine.
12:00 – 20:00 Overcast with occasional spitting.

Nov. 24 Bele R. 18 km N Lab Kabbena, Netherlands New Guinea 2200 m

198 museum traps, 206 net traps, 29 stake traps. 1 Perogytes, 1 Phascogale, 1 Melomys (discarded). The following were brought in by natives: 9 Anisomys, 3 Pogonomys, 8 Pseudochirus, 6 Perogytes, 5 Phascogale, 16 Melomys, 1 Dorcopsis, 1 Phalanger, 1 Lorentzimys.

This morning traded traps and prepared specimens; this afternoon prepared specimens.

According to Reed - story came in by the natives that Tamid was on his way here. We expect him tomorrow sometime.

Weather 6:00 – 8:00 overcast.
8:00 – 14:00 clear with some shifting clouds
14:00 – 20:00 overcast with light rain.

Nov 25 Bele R, 18 km N Lab Kabbena, Netherlands New Guinea 2200 m.

198 museum traps, 206 net traps, 29 stake traps. 1 Dasyurus, 1 Phascogale, 1 Stenomys, 1 Melomys (discarded) The following were brought in by natives: 3 Phascogale, 18 Melomys, 1 Hydromys, 3 Perogytes, 2 Mallomys, 1 Uromys, 4 Anisomys, 2 Phalanger, 10 Pogonomys.

This morning traded traps and prepared specimens; this afternoon prepared specimens.

This morning about 11:15 Capt. Tamid, Fox, Foxie cook, and transport arrived from the Grand River camp after 3 days of travel.

General Account

Weath 6:00 - 7:30 - overcast
7:30 - 14:00 - large shifting clouds.
14:00 - 20:00 - overcast and rain.

Nov 24 Bele R. 18 km N Lake Habbema, Netherlands New Guinea 2200 m.
198 mouse traps, 204 rat traps, 29 shrew traps — 1 bird.
The natives brought in the following: 4 Pogonomys, 2 Pseudochirus, 7 Anisomys, 5 Pharcogale, 3 Parapetes, 3 Hydromys, 4 Melomys.
Today prepared specimens and packed material for the transport to the other camp. The following is a list with weights of equipment ready to go down.

Box 22	- Skulls, flat skins, collecting eqp	18½ K
Box #9	- Small mammals	10½ Km.
Sack Nr. IX	- Flat skins.	6 K.
Box 27	- Large mammals	9½ K.
Case 2	- Alcohlics	4½ K
Box 4	- Collecting box with green specimens	18½ K.

The weather:
6:00 - 20:00 overcast with afternoon and evening rain.

Nov 27 Bele R. 18 km N Lake Habbema, Netherlands New Guinea 2200 m.
198 mouse traps, 204 rat traps, 29 shrew traps. —
1 Pogonomys, 1 Melomys, 1 Stenomys. The following were brought in by natives: 4 Melomys, 4 Parapetes, 8 Pharcogale, 1 Crossomicia, 4 Pseudochirus, 11 Melomys, 6 Stenomys, 4 Anisomys, 1 Dasyurus, 1 Hydromys.
The morning loaded traps and prepared specimens, this afternoon went in search of a trapping locality in the east slope of the "Bee-Bug" River (the small stream near camp). The area, though favorable for trapping, has been disturbed by pigs, rendering it unsuitable.
About 7:00 a long transport left this morning for the camp on the Grand River. All Dyaks (cooks), Convicts, and many soldiers. The American party had 25 loads. This transport is the first of the two

employed to move camps from here to there.

This morning took up all of the rat traps and 5 of the stub traps. They are to be next tomorrow.

Weather 6:00 – 10:00 · overcast.
10:00 – 16:00 broken with sun and large cloud.
16:00 – 20:00 overcast w/ light rain.

Nov 28 Bele R., 18 km N Lake Habbema, Netherlands New Guinea 2200 m.

198 mouse traps, 24 stub traps – 0.

The natives brought in the following: 11 Anisomys, 3 Pesomyscus, 2 Chromys, 2 Dorcopsis, 2 Pelaemys, 3 Rhynchomys, 1 Melomys, 4 Pseudochirus.

This morning went 213 rat traps and 5 stub traps in the forest east of camp. Followed the main trail out of the little valley and into the forest edge for about 200 yds. Then struck the line setting all of the traps on the north facing slope of the Bele River. The region is that of heavy open forest with a thick undergrowth and a forest floor of leaves and litter. In spots the floor is very damp and black with rotting leaves. This afternoon prepared specimens.

Weather 6:00 – 15:00 clear with occasional drifting cloud.
15:00 – 20:00 overcast, light coming rain.

Nov 29 Bele R. 18 km N Lake Habbema Netherlands New Guinea 2200 m.

198 mouse traps, 213 rat traps, 29 stub traps –
1 Stenomys, 8 Melomys (2 discarded). The natives brought in the following: 5 Anisomys, 1 Hydromys, 1 Dasyurus, 1 Petaurus, 6 Pseudochirus, 1 Hyomys, 1 Dorcopsis, 2 Pesomyscus

Tended traps and prepared specimens today. This morning the boys took up the mouse traps and 24 stub traps. They are to be next tomorrow.

General Account

Weather: 6:00 – 9:00 overcast
9:00 – 12:00 Low shifting clouds with many breaks.
12:00 – 20:00 Overcast with occasional sprays. Afternoon and evening rain.

Nov. 30 Bele R. 18 km N Lake Habbema, Netherlands New Guinea 2200 m.
213 net traps 5 stub traps – 0
The natives brought in the following:
1 Pseudochirus, 7 Phascogale, 4 Antechinus,
1 Melomys, 4 Pteromyscus.
Today tended traps and prepared specimens. This morning my collecting boys set 186 mouse traps and 17 stub traps in the forest north of camp.
Weather: 6:00 – 10:00 overcast
10:00 – 12:00 broken clouds.
12:00 – 20:00 overcast with light intermittent rain.

Dec. 1 Bele R. 18 km N Lake Habbema, Netherlands New Guinea 2200 m.
213 net traps, 186 mouse traps, 22 stub traps. –
1 Melomys. The natives brought in the following:
2 Phalanger, 2 Uromys, 6 Antechinus, 2 Phascogale.
1 Pogonomys, Brass shot 1 Pteromys = 7040.
Today continued to record tending traps and preparing specimens. Examined the trap line which the collecting boys set yesterday. It is a well set line beginning in the third second growth, in open forest area, through same forest with vines and bamboo undergrowth, a steep forest slopes with many vats of logs and finally into the heavy second growth.
Weather: 6:00 – 14:00 overcast with occasional break. Light rain in morning.
14:00 – 16:00 Broke trap opening.
16:00 – 20:00 overcast. Light rain.

Dec. 2 Bele R. 18 km N Lake Habbema, Netherlands New Guinea 2200 m.
186 mouse traps 213 net traps, 22 stub traps.

1 Hydromys, 4 Melomys. The following were brought in by natives: 2 Pogonomys, 19 Melomys, 9 Stenomys, 8 Anisomys, 1 Pseudochirus, 1 Phalanger, 1 Dactylonax, 1 Mallomys.

This morning study trips and prepared specimens. This afternoon went at long ll rain track to the valley. About 1 kilometer distance is a large sink hole into which a tree was cut and as amongst a t permit a man entering. I plan on returning tomorrow, with flash lights and rope for hole.

Weather: 6:00 – 16:00 generally clear with large shifting clouds.
16:00 – 20:00 overcast. no rain.

Dec 3 Bele River, 18 km N Lake Habbema, Netherlands New Guinea 2200 m

184 mouse traps, 213 rat traps, 22 shot traps –
1 Phascogale #7092. The following were brought in by natives: 5 Phascogale, 1 Dasyurus, 1 Hydromys, 1 Pogonomys, 2 Melomys, 1 Stromys, 2 Anisomys, 4 Pseudochirus, 2 Phalanger, 2 Pseudochirus

This morning returned to the rock hole, a pit 4 feet 5 inches deep and with a large bathtub room (50 x 30 x 30 ft). There was no sign of bats although the walls, crevices, and floors were searched for signs.

This morning at about 10:45 Capt. Ferrier and transport returned from the Grand River.

Weather 6:00 – 9:00 overcast
9:00 – 14:00 scattered clouds
14:00 – 20:00 overcast light continued rain.

Dec 4 Bele R, 18 km N Lake Habbema, Netherlands New Guinea 2200 m

No traps. All the traps were taken up yesterday. The natives brought in the following: 3 Phalanger, 1 Stromys, 11 Anisomys

Today has been spent in packing specimens and baggage for the trip down tomorrow. The following is a list of

Grand Account

my equipment as packed and ready to go:

3 cases of traps	@	20K
1 " " "	+ alcoholics	20K.
Box 46	Mammals	10K
" 45	"	9K
" 11	"	9K
1 Can	Shells	5K.
Box 3	Collecting box	15K
1 roll flat skins		9K
1 " " "		2K.
Barong		20K
Swag		8K?

Weather

6:00 - 12:00 clear with occasional cloud.
12:00 - 20:00 overcast, rain.

Dec 5 27 km NE Lake Habbema, Netherlands New Guinea 2250 m.
No traps.

This morning took X camp. The entire party, convicts, Dyaks, soldier and European personell moving today on next camp on the Grand river. Our rout has been along the south side of the river, well up on the slope, through the upper cultivated areas of the southern range slope. We followed along a native path, a well worn path which apparently is the main route toward the valley. We left camp at 6:50 and the travelling slowly stopping frequently I met for carriers at a ½ km. at the branch arriving in camp by 12:15. The remainder of the day was spent about camp trying for a rest.

Weather: 600 - 1400 clear with occasional cloud.
1400 - 2000 overcast, rain.

Dec 6 30 km E NE Lake Habbema, Netherlands New Guinea 1700 m.
No traps

Broke camp this morning at 6:30 travelling continuing along the upper X south slope of the

Bele R. At abt 10:00 oclock we come out of river slopes and on to the spurs leading out into the Grand Valley. Following these spurs down to the flat and then in an southerly direction over the relatively flat valley. Our camp this evening is along one of the small streams which flow from the hills through the valley to join the G. River. The area has been one of cut over area, cultivated gardens, and abandoned grass land gardens.

Weather: 6:00 – 14:00 clear, few scattered clouds over valley.
14:00 - 20:00 - overcast, no rain.

Dec 7 Grand River camp, Netherlands New Guinea. 1600 m

Left the camp in center Grand Valley this morning and arrived here this afternoon at about 1:00. There is a good camp established near the edge of the river in an old garden clearing. This area has been used at some time or other here a garden. There are cultivated fields some 10 min. distant from here. But the thing of most interest left now of the original forest remains. All has been cleared even up on the rocky hill slope well up near the crest.

The country is now covered with grassland and with casuarinas and shrubs along ditches and long abandoned garden areas.

Weather 6:00 – 12:00 scattered clouds.
12:00 – 20:00 overcast, rain.

Dec 8 Grand River Netherlands New Guinea 1600 m

No traps.

Today spent in camp. A day of rest and letter writing.

Dec 9 Baliem River, Netherlands New Guinea 1600 m.

No traps.

1 Melomys brought in by natives. 1 Rattus in by Bruce.

General Account

This morning set 199 rat traps. The line begins along a dried bank over grown with weeds and continues up a small creek with cane grass, thru across a flat with cane grass, coarse grass and scattered shrubs. Thru along a creek bed with quantity of cane grass and brush forming dense thickets, and finally along a stone wall bordering a grassy abandoned garden patch. There still remain 185 mouse traps and 28 rat traps.

This afternoon went along the the west bank of the river down to the bridge and then back through the abandoned cultivated fields of the upper valley edge. We searching for a good trapping area but with little success.

Weather 6:00 – 17:00 clear with occasional shifting clouds.

17:00 – 20:00 overcast, rain.

Dec. 10 Balim R. Netherlands New Guinea 1600 m.

199 rat traps – 11 Melomys (2 discarded), 1 Stenomys, 2 Rattus (1 discarded)

This morning tended traps, prepared specimens, and set 185 mouse traps. This trap line follows the river back for about ½ kilometer and then along the lowland ditches and sloughs. The vegetation varies from grass, cane, to shrub.

This afternoon went down up the river some 2 to 3 kilometers. Here there is an extent of river bank forest which has not been disturbed by pigs and man for some while. It may prove to be a good trapping locality.

Weather 6:00 – 14:00 clear with occasional cloud.

14:00 – 20:00 overcast, rain.

Dec. 11 Balim R. Netherlands New Guinea 1600 m.

185 mouse traps, 199 rat traps – 18 Melomys, 2 Rattus, 1 Stenomys

Tended traps and prepared specimens this morning. This afternoon Dr. and I went up through the canyon wall

west of camp. This week is one of the most conspicuous things in the region. Erosion here has been very rapid and recent, forming a large alluvial fan at the mouth of a large wash or canyon into which the earth and rocks from the slopes are sliding in. We scrambled up through the wash and out over a shoulder to the south and back to camp through a bit of forest of the side hill. It has been cut over by natives and the ground vegetation damaged or destroyed by pigs.

Weather: 6:00 – 14:00 scattered shifting clouds.
14:00 – 20:00 overcast, light evening rain.

Dec 12 Balim R., Netherlands New Guinea 1600 m

181 mouse traps, 199 rat traps – 9 Melomys, 1 Stenomys, 1 Rattus. The Pipistrellus was shot yesterday evening above camp.

This morning fleshed traps and prepared specimens. This afternoon went up the river for a short range but was driven back by the heavy rain. The area is garden land, in cultivation, except for a small strip at the edge of the steep river bank. This strip is vegetated with casuarina and an undergrowth of cane grass or shrubs.

Weather 6:00 – 13:00 unsettled overcast
13:00 – 20:00 overcast, heavy afternoon rain.

Dec 13 Balim R. Netherlands New Guinea 1600 m.

181, mouse traps, 199 rat traps, – 2 Rattus, 2 Melomys (1 dissd), 1 Stenomys. 2 Dzeyopteris were shot yesterday evening. 1 Eulamprotes was brought in by a Dyak. [See further notes.

This morning fleshed traps prepared specimens.

A rat should be made here about Dogs. At the two camps above, the 2800 m and 2200 m camps, no pigs were seen nor were they apparently any about the native villages. Few however tracks of dogs have been seen along the native trails and a single individual seen in one of the villages. This beast was a small

General Account

about 300 m.m. high, 800 total length, and 350 tail length. These figures were estimations rather than actual measurements. The color was that of black and white in broad marks the latter color predominating the anterior half. The tail was held in a slight spiral curve, not looped. The ears were erect and pointed. The hair markedly stiff and with a general shrinking appearance. It was a nervous beast apparently and at one approach ran away through the garden only to be brought back by its attentive owner. At a distance of 10 ft. from us it bit the man carrying it and again escaped off through the pig pens and garden. It was a nervous evening beast. Apparently it is highly prized by the natives although I do not know what purpose it serves.

The following were brought in by natives: — 23 Rattus, 8 Melomys.

This afternoon was spent in a boat down the river to the low ridge the other side of the stream, a distance of about 2 kilometers. Nothing of note was seen.

Weather 6:00 – 14:00 unsettled many clouds, clearing rained in late morning.
14:00 – 20:00 overcast, light rain.

The river is very high, the highest I have seen it.

Dec 14 Belian R. Netherlands New Guinea 1600 m.

181 snare traps, 189 rat traps — 3 Melomys (discard). The following were brought in by natives: 1 Melomys, 9 Rattus.

This morning tended traps and prepared specimens. This afternoon reset 189 rat traps. The line now is along the edge of the wash in a patch of second growth forest up on the lower hill slopes. Traps are set in grass and shrubs along the high water mark at either side of the stream or creek.

Weather: 6:00 – 12:00 unsettled
12:00 – 16:00 overcast no rain
16:00 – 20:00 " rain.

Dec. 15 Balim R. Netherlands New Guinea 1600 m.

181 museum traps, 189 rat traps. — 2 Melomys 3 Rattus. The following were brought in by natives: 3 Melomys, 9 Rattus.

This morning tended traps and prepared specimens. This afternoon went the museum traps (168) to the low hill slopes on the east side of the river above the rapids. The hill slopes are clothed in limestone rocks, low brush, and grass. It is a dryer, more rocky area than last to the traps set in.

Weather 6:00 – 20:00 overcast, occasional small openings, light rain in afternoon.

Dec. 16 Balim R. Netherlands New Guinea 1600 m.

168 museum traps, 189 rat traps – 5 Melomys, 2 Rattus (1 discard). The following were brought in by natives: 1 Melomys. The Syconycteris was shot by collector yesterday evening.

This morning tended traps and prepared specimens. This afternoon visited 3 of the native villages in the vicinity in search of a large ♂ pig. They refuse to sell.

Weather 6:00 – 9:00 overcast.
9:00 – 16:00 broken, low clouds about mountains.
16:00 – 20:00 overcast, light rain.

Dec. 17 Balim R. Netherlands New Guinea 1600 m.

168 museum traps, 189 rat traps – 2 Melomys. 1 Sus bought from natives. 1 Pipistrellus shot yesterday evening.

This morning tended traps and prepared specimens. This afternoon visited several native villages in hopes of purchasing a pig. We were unsuccessful with pigs but did buy a dog, the individual which I described a few days ago. There was a big dispute among the natives and we may find it necessary to sell it back to them.

General Account

Dec 18 Balim R. Netherlands New Guinea 1600 m.
148 mouse traps, 189 rat traps — 3 Melomys
3 Rattus

This morning packed equipment to be taken to Hollandia and loaded radio. This afternoon went in search of a large native pig. They still refuse to sell

This morning about 9:30 the Guba arrived, having first delivered food etc. to the Idenburg. She stayed here only long enough to take on our cargo of specimens 10 men. etc. and then returned to the Hollandia. Tomorrow they are scheduled to make a similar trip in and begin the freighting from our camp here to the Bernhard camp on the Idenburg

Weather 6:00 — 12:00 broken mist clouds about mountains, clear valley.
12:00 — 16:00 broken clouds
16:00 — 20:00 overcast, light rain

List of Specimens etc sent to Hollandia as follows:

Box	46	Mammals	10 Kg
"	45	"	9
"	11	"	9
"	49	"	10½
"	27	"	9½
"	22	Skulls etc.	14
"	52	Marsupials	9
Brown sac		Flat skins	8
Rice "		" "	5
1 can		Skulls	5
1 bundle		Arrows	2½
1 "		bows	3
1 box		Native articles	12
1 bundle		Spears	9½

Dec 19 Balim R. Netherlands New Guinea 1600 m.
168 mouse traps, 189 rat traps — 1 Melomys.
1 Miniopterus was shot last evening.

Today was spent in packing and preparing equipment to be sent to the Landing. The Buba made 3 trips this morning with over half the men and equipment from this camp.
My equipment consisted of the following:

1 case boxing	16 kg
1 " steel traps	10½ kg
1 Delco motor	21
1 case traps	17
1 " "	17½
1 " "	15½

The weather: (See Radio log).

6:00 - 14:00 Sky overcast with clouds about mt. and shifting over valley
14:00 - 20:00 overcast with last rain.

Dec. 20. This morning was spent in the final breaking of camp. 2½ loads of 16 men and approximately 300 kg were laid at. The weather broke early and the first load including Rand - Brass was taken out easily. By mid morning however the North East wind had set in and by the time Buba arrived for the second and last load it was blowing a good breeze. The crew were unable to tie up at the bows and their oars were unable to hold against current and wind. The plane was continually being blown into the bank by the strong wind. They finally got the plane into the bank about 2½ miles below camp. As quickly as possible we also brought the equipment down, loaded, and shoved off. The men several minutes then that I was wondering whether or not they would be able to get the plane free of the bank. Such was done and we were soon in the air. At the Bergland camp we discharged the cargo and Brass, Rand, Jos. Stahl, von Achen, my collecting boy, Texas collecting boy and myself left for Kallenda.

General Account

We arrived in Hollandia shortly afternoon, had lunch, and the rest of the day was spent in rest and talk.

Dec 20 to Jan 3 Hollandia Netherlands New Guinea, (see last.

These days were spent in Hollandia, resting and entertaining ourselves as we each saw fit. We did however do an important bit of work, and that is the packing of all specimens for shipment to New York. There were 11 cases in all bound for the Amer Mus. Nat Hist. and 2 for the Arnold Arboretum, Bost. Mass.

Jan 3 Dumbud Camp, Idenburg R. Netherlands New Guinea.

We arrived in camp this morning after some 2½ hrs. spent waiting above the cloud bank for the weather to break so we could land. It cleared off. This camp is what might be called par excellent. It is by far the most elaborate and comfortable of all of our camps. It was not shown in its best light however for it prevent the water had flooded over half the camp. There are only two rooms above the flood and that is the dining room and our personal quarters. The barracks are so low under water that the soldiers were forced to move out, and are now living building bridges and higher barracks.

Jan 4 Bernhard Camp, Idenburg R. Netherlands New Guinea.

This day was spent in packing equipment, barang, provisions, etc for. I have 4 bush boxes #58, #17, #3, #4 and a sack of traps. Febmay and March food supplies were packed as well as my collecting equipment for the next 5 month. The radio was tested. It was found that while the transmitter was working both have been recently overhauled at Hollandia. The vibrators are out of order. They have been repaired and the set will be packed

tomorrow.

This evening 6.30 went out in a prow following along the jungle edge of the ox-bow lake. The water is very high so that the floor of the jungle is under water. At the tops of one of the trees bounding the lake was an adult ♀ Phalanger with a joey in pouch. It was easily seen among the green foliage, altho the only movement was that of its head. When shot it turned about and proceeded to climb (backwards) heavily down the tree to the thicker upper stout branches. Here it was killed and although apparently lifeless still clung to the branches. One of the Dyaks brought it down after a difficult climb.

The river is now the highest it has ever been. It rose seven inches last night and continued to rise gradually until about mid day. This evening it started to fall and we are all hoping that by tomorrow it will be much down.

Jan 5 ~~Bernhard Camp, Idenburg R. Netherlands New Guinea~~ 50 m.

The 2 Phalangers were shot yesterday evening. (see Note for Jan 4.

Today was spent in packing and rest. This evening Dick & I came out along the lake saw nothing of interest in the way of mammals. Came back in rain.

The water level is subsiding gradually. It is down about 4 or 5 inches today.

Jan 6 10 ± km. West Bernhard Camp, Netherlands New Guinea 1200 m.

This morning at 7:00 we left the Bernhard Camp with the transport. Our route was first by prow to the upper edge of the flood plain which is at present flooded by the high waters of the Idenburg. Then along the upper flood plain through the rain forest for 2 ± km and then up along

General Account

one of the spurs leading over the first range bordering the Idenburg River. At a point where we crossed this ridge the elevation was about 900 m. Then we followed along another spur up and down, more of the latter, to Arabaria Creek. A nice little river some 25 ft. wide flowing toward the south. Here we had lunch and then on along another spur rising gradually to the present camp site. We arrived here at about 2:00 in the afternoon. One hour was taken off for lunch.

The vegetation along the route has been a changing one, first that of the rain forest which reached an altitude of about 750 m. and then gradually changed to a mossy forest (very different from mossy forest of the 2800 m camp). This forest in turn has changed to one with less moss and more rotan and undergrowth. For discription of altitudes and forest composition see Brassers notes.

Jan. 7 15 Km S.W. Bernhard Camp, Netherlands New Guinea 1800 m.
GMT 5

Left camp this morning at and arrived here this afternoon about 4:00. It has been a long day of travel up and down following the crest of the ridge between the Idenburg and the Rivers.

Set up the radio this afternoon. All is in readyness for tomorrow mornings contact.

Jan. 8 15 km. S.W. Bernhard Camp, Netherlands New Guinea 1800 m.

Remained in camp today doing odd jobs and resting.

Bats were seen flying again tonight 2 ps. This flight leaving about 6:45 P.M.

Checked Jan. store and found the following discrepancies — 2 cans sausages, — 3 cans corn beef ?, — 1 can flour, — 1 can coffee, + 5 lbs butter, — 2 cans jam, + 1 jar peanut butter, — 1 tin dried apples,

+5 tins dried prunes, -1 tin canned fruit, -1 tin cheese, -3 tins beef dupejongs, -1 bottle curry powder, -1 canned vegetable, +18 pkg. matches, -2 cakes sunlight soap, -3 rolls toilet paper, +2 bottles whiskey, -2 bottles creolins, -2 gal. kerosene, -Rods & Brasses tobacco, -8 gal. gasoline, -1 tin rice. We have Jerry to thank for this addition and subtraction.

Jan. 9 15 Km S 20 W Bivouac Camp 2 Idenburg River Netherlands New Guinea 1800 m.

This morning at 232 set traps. The line starts near camp and goes to the west along the north side of the hill slope. It crosses several small streams and ridges and continues on to the main ridge. This is followed up near the crest of the hill, not along the crest of the hill, to the main trail back to camp. The region is that of mossy forest.

The afternoon prepared traps for tomorrow setting, changed locality 1 and and checked the monthly stops.

This evening bats were seen flying at 6:30. Two species one a bat which forages about 30 ~~feet above the ground~~ ft above the ground (half way up the large trees. The other a smaller bat which forages about the thick leafy foliage of the lower ground story growth.

After dinner went out with a flash lamp. Was unable to shine any eyes. Saw three small bats flying low through the forest.

Jan. 10 16 Km SW Bivouac Camp 2 Idenburg River, Netherlands New Guinea 1800 m.

232 traps - 2 Melomys Checked part of the mouse traps that were set today - 1 Sturnomys. Last evening a soldier took 1 Pseudocheirus in the camps. 3 birds

This morning tended traps and prepared specimens. The boys set out 193 mouse traps and 10 stick traps. The afternoon I set out the remainder of the sticks (18); hunted a short time in the forest east of camp; and rested.

General Account

The traps were set at either end of the ridge crest east of camp. The line extended through the forest from the ridge crest ½ mile or less and back along the other side of the ridge crest.

This evening watched for bats and glass trapped for an hour & ½ as so dry that light. Little success. Saw some 6 or 8 bats but was unable to shoot them. Saw 1 Nyctinomus or Cynomicris by lamp-light but after shooting it was unable to find it in the litter.

Weather today - Clear with occasional clouds this morning; afternoon mist, evening light rain, overcast.

Jan 11 15 Km S 20 Bernhard Camp Idenburg R. Netherlands New Guinea 1800 m.

193 mouse traps, 232 rat traps, 28 Stub traps —

10 Nyctomys (3 sp.), 4 Stenomys, 1 Pogocopeia, 2 Pseudochirus (1 juv), 1 Phalanger, 1 Perameles. 3 birds.

This morning tended traps and prepared specimens. This afternoon prepared specimens. The 2 Dyak collectors were out all morning hunting but returned with only 1 bird. This evening saw 4 bats.

Weather, - altered sunshine, mist, - clouds. Weather mottled with changing wind from North & South. This evening cold, light rain.

Jan 12 15 Km S 20 Bernhard Camp Idenburg R. Netherlands New Guinea 1800 m.

193 mouse traps, 233 rat traps, 28 stub traps. —

1 Lorentzimys, 3 Stenomys (1 drowned). 6 birds.

This morning tended traps and prepared specimens. This afternoon went hunting west along the ridge from camp. No mammals seen. There were numerous runways, long and small, some ½ kilometer out from camp.

Today Read brought up an objection to the use of R. on my labels. In all cases where I have used it it stands for river. Hereafter it shall be written at as requested.

Weather: mist with occasional sunny opening showing sun a high overcast.

Saw 4 bats this evening. One was apparently a different sp. at least it foraged in a different manner, - a high slow flight among the upper foliage of large trees.

Jan. 13 15 Km SW Bernhard Camp 2 Idenburg R. Netherlands New Guinea 1800 m.

193 mouse traps, 232 rat traps, 28 stink traps. -
5 Melomys, 1 Stenomys.

This morning tended traps, prepared specimens and developed pictures. This afternoon was spent in hunting along the trail which goes to the Sawlia River. Nothing of note was seen.

This evening 8 or more bats were seen. Flying through the mist. The low swift flying species was the most numerous.

Weather: Intermittent mist, cloud overcast, and sunshine.

Jan. 14 15 Km SW Bernhard Camp 2 Idenburg R. Netherlands New Guinea 1800 m.

193 mouse traps, 232 rat traps, 28 stink traps -
3 Pseudohydromys, 1 Melomys, 3 Stenomys,
1 Dorcopsis, 1 Perogale. The bat, 1 Miniopterus,
was taken by Althoff last evening while catching
insects about the lamps. 1 Dasyprocta was
shot this morning by Rand.

Note - The genus Pseudohydromys has
previously been taken at this camp and
incorrectly catalogued and accounted for as Melomys.
The catalogue I shall correct but the ~~species~~ genus
account shall remain the same with a note indicating
incorrect determination. I am not sure
that this little Hydromian is a Pseudohydromys
but it apparently is closer to that ~~genus~~
than any other described genus and so that it
will be called until museum determination.

This morning tended traps and prepared
specimens as well as removing the rat traps
(227). This afternoon reset the rat traps.
The line begins below the camp on the
spirit steps. It follows the small stream
down for some 3 or 4 hundred yards and then

General Account

to the west over several small ridges and stream, through a flat valley on the hill slope the ops the slope to the north and on the east. Although most habitats in which the traps are set are primary the general [illegible] area is mossy forest with little undergrowth and second story vegetation.

This afternoon the Captain, Dr. Wells and the transport arrived all in good condition and spirits.

Weath: Intermittent showers and mist this morning. This evening from 3:30 to 7:00 there was a very heavy rain.

Jan 15 15 km SW Bernhard Camp, Idenburg R, Netherlands New Guinea 1800 m.

193 mouse traps, 227 rat traps, 28 stink traps —
1 Phascogale, 6 Melomys, 8 Stenomys.

This morning tended traps. A rather long and tedious process for each must be repeated after the heavy rain of last night. Also prepared mammals. This afternoon prepared specimens. Rain prevented field work.

No bats were seen this evening by me. Fog and Mist.

Weath. 6 – 10 clear with small shifting clouds. 11: until evening overcast with intermittent rain. Evening heavy mist.

Jan 16 15 km SW Bernhard Camp, Idenburg R, Netherlands New Guinea 1800 m.

193 mouse traps, 227 rat traps, 28 stink traps —
5 Melomys, 4 Stenomys, 1 Phascogale, 1 Pseudohydromys.

This morning went up with Rod, Bruce, von Arken – Turid to look at the next prepared camp site. It is about 2 hrs walking from here along the ridge to the west. alt. 2100 ± m. It is to be situated on a rather small type of small peak. The vegetation at the top is thick brush and moss, quite different from any habitat near here. At distance of some ½ hour further on is another and higher hill top on which there is a quite a number of bamboo mixed with mossy forest, which is quite different again. These two habitats would be interesting and profitable to work.

The boys took care of the traps since this

morning and prepared the specimens.

This afternoon set 192 mouse traps and 11 stake traps. The line now begins at the top of the hill west of camp (80 m above camp) and continues westward just north of the trail which follows the top of the crest. A distance of about 2/3 km. out the line doubles back towards camp below the portion of line already set.

Weath: Morning ~~cl~~ mostly clear with slight mist. Afternoon mist and rain from 2:00 to 9:00.

Jan 17 15 km SW Bernhard Camp Idenburg R. Netherlands New Guinea 1800 m.

192 mouse traps, 227 rat traps, 28 stake traps — 2 Pseudohydromys, 5 Melomys, 7 Stenomys, 1 Phascogale. 1 bird.

This morning tended traps and prepared specimens. The 2 collecting boys were out hunting. Returned this afternoon with only 2 birds. This afternoon finished preparing specimens.

The following is an estimate of the number of carriers needed ~~for~~ to my equipment to the next camp.

5 - trays
5 - rachis
2 - personal
1 - collecting box
½ - tent
Total 13½ carriers needed.

Jan 18 15 km SW Bernhard Camp Idenburg R. Netherlands New Guinea 1800 m.

192 mouse traps, 229 rat traps, 28 stake traps — 1 Phascogale, 1 Melomys, 2 Stenomys.

This morning tended traps + prepared specimens. Boys were out hunting. This afternoon spent about 1 hr. hunting east of camp. Returned early because of heavy mist + rain. This evening watched for bats. Saw one. My boy shot one of the low fast flying species.

Weath: mist + rain.

General Account

Lieut. van Arkel left this morning with transport to establish the 2100 m. camp. Tap is planning on going up there on the 20th. Dr. Hulo is recovering from his attack of malaria.

Jan 19 15 km. S.W. Bernhard Camp, Idenburg River, Netherlands New Guinea 1800 m.

192 mouse traps, 229 rat traps, 28 shrew traps. — 1 Melomys, 2 Stenomys, 1 Pseudohydromys, 2 (1 juv.) Pharaomys, 2 (1 juv.) Pseudocheirus, 4 (3 juv.) Dasyurus. 1 Miniopterus shot last evening by collecting boy. 1 Pseudocheirus shot this morning by Rarde collecting boy.

This morning tended traps and prepared specimens. This afternoon spent several hours hunting along the stream south of camp. No mammals were seen.

No bats seen the evening. Fog + mist.

Weather: Mist with occasional clearing skies, light overcast or sun.

Jan 20 15 km. S.W. Bernhard Camp, Idenburg R., Netherlands New Guinea 1800 m.

192 mouse traps, 229 rat traps, 28 shrew traps — 2 Pseudohydromys, 2 Melomys, 1 Stenomys.

This morning tended traps and prepared specimens. This afternoon constructed a drying room for specimens. The specimens are drying very slowly to prevent them molding and to clear the pinning boards I am going to make use of the boxes during their usual evening run.

The 2 Dyak collectors went 17 shrew traps. The line was begun near the top of the rock west of camp and goes down the ridge to the south.

Weather: Morning up to 11:00 was quite clear with occasional clouds and mist. This afternoon heavy mist. Last night there was a very heavy rain.

This morning Dr. Hulo left with transport for the Bernhard Camp. Dr. Tasopoes also left this morning for the 2100 m. camp. He plans to remain there until the 26th.

Jan 21 15 km SW Bernhard Camp, Idenburg River, Netherlands New Guinea 1800 m.

192 mouse traps 229 rat traps, 18 steel traps — 2 Melomys, 1 Pteroscopus, 1 Pseudohydromys, 1 Pteromyscus.

This morning kept radio schedule, tended traps, and prepared specimens. The 3 Dyaks spent time hunting. The rainy afternoon spent in camp.

No bat hunting.

Weather. Morning cloudy with occasional breaks. Afternoon mist and rain. This evening there is a heavy rain and wind from the north.

Jan 22 15 km SW Bernhard Camp Idenburg R. Netherlands New Guinea 1800 m.

192 mouse traps, 229 rat traps, 18 steel traps. — 1 Melomys, 1 Pseudohydromys, 1 Stenomys.

The early morning was spent at the radio giving report of weather to the pilot giving plane which was coming to Hollandia from the Degoul. The plane took off and after an hour and returned because of bad weather. About 9:00 I went out hunting and arriving at camp at 12:00. Saw nothing of real interest. Spent most of the time cutting down pandanus palms and looking into possible holes for mammals.

This afternoon spent in camp taking care of the birds. Rand has an attack of fever. He has been mildly ill for the past 3 or 4 days but today he is much worse, unable to eat or move about.

Jan 23 15 km SW Bernhard Camp, Idenburg River, Netherlands New Guinea 1800 m

192 mouse traps, 229 rat traps, 18 steel traps — 1 Pteromyscus, 1 Pseudohydromys, 1 Stenomys, 1 Melomys, 1 Xeuntigomys (big kept skin). 1 Pharomys shot by Rands collecting boy.

This morning tended traps and prepared specimens. This afternoon took care of Rands birds he not feeling capable of doing so. He is a bit clearer and ate a little (toast and tea).

This morning 229 rat traps were taken

General Account

up but were not sent due to the rainy weather.
The weather today except for a few hours this morning has been misty and rain. The heavier rain coming this evening

Jan 24 15 Km SW Bernhard Camp Idenburg R. Netherlands New Guinea 1800 m.

192 mouse traps, 28 stink traps. - 0.

This morning ~~corporal~~ Lieut. Twentyman visited bird last night and kept the Radio secluded. The collecting boys set the 228 rat traps along the north side of the ridge west of the hill from camp. This afternoon was raining and so no field work. Took care of Rand's birds. He is still quite ill, until he keeps food on his stomach. He has no temperature nor pains. He apparently possesses only an upset stomach and a weak condition from his 3 day fast.

Weather: Morning fairly clear with occasional light mists + clouds up until 11:30 From 11:30 on there has been continual mist + rain.

Jan 25 15 km. SW Bernhard Camp Idenburg R. Netherlands New Guinea 1800 m.

191 mouse traps, 229 rat traps. 28 stink traps.
~~1 Milomys, 1 Pseudohydromys, 1 Stenomys~~
This morning birded traps; kept radio sched; and prepared specimens. The collectors went 190 mouse traps on the mid slope of hill west of camp. The line is on the south facing slope. This afternoon remained in camp studying Rand's birds and waiting for the mist to clear up. Rand is brighter today.

Tegrind returned from the 2100 m. camp with a little fever in his head (or brain). Reports that Isa has been ill with malaria; better today.

Weather this morning was clear with occasional light mist up from the Idenburg. This afternoon there has been a heavy mist.

Jan 24 15 km. SW Bernhard Camp Idenburg R. Netherlands New Guinea 1800 m.

191 mouse traps, 229 rat traps, 28 stink traps. —
4 Pseudohydromys, 2 Pteromyscs (1 juv.), 2 Milomys, 5 Stenomys

This morning took in 189 mouse traps and 11 skink traps and 1 rat trap; prepared specimens and checked equipment for the collecting boys to use in the camps below.

This afternoon Marcus and I, Dyck Bowling, left with the transport for the camps below. This is one of Tsaopeno camps, which he will catch butterflies for 1 week. These two boys have the equipment and the ability to take care of the specimens but whether they do or not is up to them. All we can do is wait and see what the results of this weeks work is like.

The number of bats seen tonight was 2. Last night there are very few to be seen about.

Weather: This morning there was a moderately strong SE Wind, which kept the camp free of mist. Large broken clouds with occasional sun. This afternoon mist was from the North. still moist.

Jan 27 15 Km SW Bernhard Camp 2 Idenburg R. Netherlands New Guinea 1800 m.

228 rat traps, 17 skink traps — 1 Melomys 1 Phascogale.

This mornings rain delayed the tending of traps until late. Part of that time was spent with radio schedule. The gold mining airplane, a Grumman, is still making surveys of the Grand Valley and upper Idenburg area.

This afternoon went for a hunt south east of camp going well down the slopes. It was a dull afternoon and little seen in the way of birds moving.

Saw 3 bats this evening. There are far less bats flying about in the evenings now than during the first few days after our arrival here. This is perhaps due to change in climate, to clearing of the ground which they have found unsuitable for feeding, or to the presence of camp and a desire to avoid it.

General Account

This morning about 6:45 Captain Jarrid with transport left for the 1500 m. camp. This he is to get in readyness for our arrival sometime about the 11th of Feb.

Jan. 28. 15 Km S W Bernhard Camp Idenburg R. Netherlands New Guinea 1800 m.
228 rat traps, 17 shrew traps — 1 Melomys
1 Pteromys.

Tended traps, mounted specimens, and visited the 1500 camp of Tees this morning. This camp is to the south of our present camp and along the same stream where I had water at our camp. It is here that 2 of my collectors are trapping although they caught nothing in the traps last night. I checked the traps line and found that it is well placed. Spent ½ hour looking for the finch which Tees said occured along the stream. Secured a single individual near the waterfall that is in the stiff dogwood which occurs along the stream sides. Tees was not in camp the soldiers said he had gone with a patrol down the ridge toward the native gardens. Remained in camp the afternoon because of bad weather.

Jan 29 15 Km. S W Bernhard Camp Idenburg River Netherlands New Guinea 1800 m.
228 rat traps, 17 shrew traps — 1 Melomys,
1 Pseudohydromys, 2 (1 Juv.) Pteromys.

This morning tended traps, prepared specimens, and rayed all dry specimens in paper in preparation for packing. To dry specimens here it has been necessary to make a small oven like affair and keep lamp burning underneath night and day for the past 4 days. The final drying is this afternoon in an oil Primus oven. This afternoon spent in camp.

Weather: This morning raining, mist, clouds broken and occasional sunshine. Afternoon mist and rain. Same type of weather yesterday.

There were a number of bat seen this evening flying about soon after sundown. The increase in numbers may be due to lack of rain & mist about at that time. There were 10 or more individuals seen of 2 or 3 sp.

Jan. 30 15 km S 20 W Bernhard Camp, Idenburg R. Netherlands New Guinea 1800 m.

228 rat traps, 17 steel traps. — 1 Melomys, 1 Pseudocheirus.

This morning collect in the traps. 227 rat traps, 17 steel traps, in preparation for the trip to the upper camp tomorrow. Prepared specimens. The remainder of the day was spent in packing equipment.

Weather High broken overcast in morning. Mist and light rain afternoon.

Jan. 31 18 km S 20 W Bernhard Camp, Idenburg R. Netherlands New Guinea 2800 m.

No traps.

Broke camp this morning at 7:45 and with 20 Dyak carriers loaded and left for the 2100 m. camp. Arrived here some 1½ to 2½ hours later. Rain is commencing up tomorrow. Uneventful trip up. Van Arkel has built up a good but small camp. Actually there is little room on the top of the hill. It, with a very, very small saddle is a steep hill slope vegetated with brush. Consequently the camp is strung out along the ridge top. Arrived in camp this morning & in time to put up the antenna as well as set up and check the radio. This afternoon was spent in setting 143 rat traps. The line is on the ~~ea~~ north side of the ridge. It goes through the very heavy brush thicket which goes over the steep rocky hill top; through mixed brush and moss forest border, and into the thick moss forest itself. This latter habitat, the thick moss forest is much like the moss forest on the north slope of the hill west of the 1800 m. camp.

General Account

Weather: This morning when we left the 1800 camp it was in mist. There was mist most of the way up until shortly before reaching the 2100 m. camp. Here there was sunshine and a view out over the mist covered valleys. About 2:00 this afternoon it clouded over and light rain and mist.

Feb 1 18 km S 25 Bernhard Camp 2 Idenburg R. Netherlands New Guinea 2150 m.

143 rat traps. — 1 Melomys, 1 Stenomys

This morning finished traps, set the remainder of the 227 rat traps, and prepared specimens. This afternoon set 17 study traps. The rat traps were set on the ~~south~~ spurs ~~of the~~ forming steps through the forest, just the moss + leaf covering thickly, and along the low heavily mossed part of the steep rocky slopes. The study traps were set about the hill west of camp. Confined with the moss forest is bamboo which tends to vanish, or at least where it occurs, there is less moss, more open forest surface.

Boys and transport arrived today. The tents are being moved from the top of the ridge to a more protected ~~area~~ spot some 50 yd to the west.

Weather. Last evening there was continued rain and a heavy wind particularly during the early evening. The day was one of mist and clouds with a poor view of the surrounding country. At evening however the lower Idenburg can be seen.

Feb 2 18 km S 25 Bernhard Camp 2 Idenburg R. Netherlands New Guinea 2150 m.

227 rat traps, 17 study traps — 2 Melomys 2 Pteromyscus, 1 bird. The Pseudocheirus was shot by Versteeg [1] this morning. There was also a part of a Pteromyscus and another part of long rat such as Uromys. There was also a dog in one of the study traps but it escaped while

the Dyak collectors were trying to pin it beneath a forked stick. According to them the color of the beast was brown and white standing up about 16 inches high, and a body length of about 2 feet. It was a ♂. I could hear it crying in the trap this morning from our camp a distance of about ½ mile away from the trap in which it was caught. It was a whining but not unlike that of a domestic dog. The area was that of an open bamboo thicket in a mass forest. It was on a trail on a ridge near and leading to the highest hill in this vicinity.

This morning tended traps & prepared specimens. The Dyaks built 6 snares for large mammals.

This afternoon prepared specimens, went hunting and worked with the radio. I am having receiving trouble which is located somewhere in the vibrator circuit.

Marcus & one of my Dyak collectors returned from the 1500 m camp, the one established by Fox for butterfly catching. Following is report on specimens & traps set. —

1 Perognathus	189 snare traps	
9 Melomys (2 sp.)	1 rat trap	
2 Pharcognathus (2 sp.)	11 stick traps	
4 Stenomys	201 traps set	
1 Lorentzimys	6 trap nights	
17 mammals total.	1206 Total trap nights	

Feb 3 18 km. S.W. Bernhard Camp 2 Idenburg R. Netherlands New Guinea 2150 m.

227 rat traps, 17 stick traps. — 1 Melomys, 1 Perognathus.

This morning tended traps and prepared specimens. This afternoon spent at camp because of bad weather.

A note from Terink states that he and Fox with transport are going to the 1200 m camp.

General Account

Weather: Overcast during first part of morning, remainder of day mist and light rain.

This day there were 187 mouse traps, 1 rat trap, and 10 stick traps set to either side of the ridge leading up to the top of the hill west of camp. The general area is that of mossy forest with bamboo undergrowth.

Feb. 4 18 km. S.W. Bernhard Camp 2 Idenburg R. Netherlands New Guinea 2150 m.

228 rat traps, 187 mouse traps, 27 stick traps. — 1 Pseudohydromys, 1 Stivomys

This morning tended traps + prepared specimens. The collectors took up the rat traps 223 and reset them in the bamboo undergrowth about the hill to the west. This afternoon spent in odd jobs about camp. The bad weather prevented field work.

Weather - High overcast during morning. Early afternoon up to 3:30 mist and light rain. 3:30 on light overcast rain of Idenburg R.

Feb. 5 18 km. S.W. Bernhard Camp Idenburg R. Netherlands New Guinea 2150 m.

~~225~~ 223 rat traps, 187 mouse traps, 27 stick traps. — 2 Melomys, 1 Pseudohydromys, 6 Stivomys, 1 Paramys.

This morning tended traps and prepared specimens. Boys set making rotan snares [?].

Afternoon spent preparing specimens.

1 Dasycercus shot this morning by Rondo collecting boy.

Weather Morning thin overcast with sun coming through at times. Afternoon misty and light rain. Rather strong wind from ~~south east~~ north west.

Feb. 6 18 km. S.W. Bernhard Camp Idenburg R. Netherlands New Guinea 2150 m.

224 rat traps, 187 mouse traps 27 stick traps — 1 Stivomys, 2 Pseudohydromys, 1 Melomys, ● 1 Chromys, 1 Anisomys. 1 Dasycercus shot by collecting boy.

This morning spent in tending traps and preparing specimens. The boys made 12 more

snares. As yet the 25 snare nights have yielded nothing, one spring and one chewed into. This afternoon finished preparing specimens and visited the radio. The removal of the dining room fly because of the strong wind, necessitated taking down the radio.

This morning a convict from the 1800 m camp arrived saying that a tree had fallen through their camp. van Arken went down and saw the extent of the damage and returned with the following information. Convict awakened by wakened & went beneath his bed. The overturned the camp and all ran to watch the tree fall. It went across both of the military quarters and some limbs went through the dining fly. No one hurt and only slight damage to equipment.

Feb. 7 18km SW Bernhard Camp, Idenburg R. Netherlands New Guinea 2150 m.

187 mouse traps, 224 rat traps, 17 stub traps, 25 snares. — 1 Pseudohydromys, 2 Melomys.

This morning tended traps and prepared specimens. This afternoon took a short hunt down the ridge north of camp. A heavy rain spoiled the afternoon work.

Information over the radio announced that the Dr Gabs had returned from Port Moresby after nearly a month's sojourn there.

Weather. This morning up to 7:00 could see Idenburg plains and mts to South [NW Wilhelmina etc.]. After 9:00 clouds closed in on lower valleys remaining bright here up until 3:00. After 3:00 mist and light rain.

Feb. 8 18km SW Bernhard Camp, Idenburg R. Netherlands New Guinea 2150 m.

187 mouse traps, 224 rat traps, 17 stub traps, 32 snares. — 3 Pseudohydromys, 3 Stenomys, 1 Melomys.

This morning tended traps. 2 Dyaks went out hunting. Others prepared specimens.

General Account

A Dyak and I went out hunting; spent most of the time cutting Pandan palms and looking through the dry drooping leaves for mammals. None were found nor were any signes of them seen. Found what appeared to be a nest of a squirrel in the fork of pandans.

This afternoon hunted along the ridge north of camp. Saw nothing of interest relating to mammals except a tall tree which had apparently been attacked by a Dactylotenes - Dactylopsila. The dry rotting wood having been broken out in chunks the largest of which was about 4 inches long and ¾ inch through.

Transport of 4 Dyaks and 2 soldiers arrived today from 1200 m. camp.

Weather: The morning and again this evening were all that could be desired. Remainder of day obscured by cloud. Light rain this afternoon.

Feb 9 18 Km SW Bernhard Camp Idenburg R. Netherlands New Guinea 2150 m.

187 mouse traps, 224 rat traps, 17 stink traps, 32 snares — 1 Rhoecopsis.

This morning I remained in camp for radio schedule also prepared the specimen. The boys collected traps and during the late afternoon morning caught reptiles. This afternoon went out with Dyak and dug about the roots of the bases of large trees in hopes of uncovering a mammal nest. In every case the ground was too moist and there are many runways burrowing under the subterranean layer for at least 2½ ft in depth. The cover consist of moss, and decaying organic matter supported by the roots. Weather: One of the best days here. High overcast part of the time, scattered clouds over Idenburg & Mt to south. No rain.

Feb. 10 18 Km SW Bernhard Camp Idenburg R. Netherlands New Guinea 2150 m.

32 snares — 1 Throngs

This morning broke camp and moved to the

1800 m. camp. The rain which began early this morning and continued until 8:30 A.M. made the breaking of camp unpleasant. The carriers after their trip up from 1800 m camp were wet and cold. The equipment was wet and heavy, and all in bad humor especially Rad. van Arkel and I remained in camp until the collectors had returned from tending the traps and at 9:50 started down. Arrived at 1800 m at 11:10 to find tents up and all in order. This afternoon checked weights of carriers loads and "loafed".

Feb. 11 ~~15 Km~~ S.W. Bernhard Camp Idenburg R. Netherlands New Guinea 1800 m.
To traps.

Broke camp this morning and on the road down by # 7:00. At head just the other side of the 1700 m. trap and on to camp. Brass, Rad, van Arkel with their collecting + personal boys, and 4 carriers and several soldiers remained at the 1500 m. point to collect for a day or two. I along with the transport came to the 1200 m. camp 2:30-5:00 Found a well prepared camp ~~we~~ ready to move in and begin on collecting. Sent mail and a few provisions up to Brass. etc.

Les came in this afternoon about 4:00. He reports very high water on the Idenburg making it necessary to move camp as soon as possible. All available carriers and soldiers are to be needed to move. Plan on moving to Archaria creek 800 m. Mosquitos, leaving flies, and frogs are also adding to the discomfort of those in Bernhard camp.

Weather good for traveling overcast, but no rain; at times light mist.

Feb. 12 ~~15 Km~~ S.W. Bernhard Camp Idenburg R. Netherlands New Guinea ~~1700 m.~~ 1200 m.
To traps.

This morning, in fact most of the day spent

General Account

about camp getting things in readyness for collecting. This morning the boys set at 185 mouse traps ~~at about 8~~ returning ~~but~~ to camp. This afternoon I set out about 80 rat traps returning early to put radio in repairs for the evenings contact. This evening at shooting bats. Many seen 20-30, flying 10 to 20 feet up from the ground. Would say ~~judge~~ that there would not be over 2 species. judging from manner of flight activities.

Heard one down from the 1500 m camp. Reports that conditions of bird life there are much the same as those of the 1800 m. camp. Seems strange to me but must except this word until I find otherwise.

Weath: Early this morning sunshine & light overcast; abt 9 it began to rain and continued intermittently until 12:00. followed by short period of sunshine; overcast and evening mist.

Feb 13 6 Km SW Bernhard Camp Idenburg R. Netherlands New Guinea 1200 m.

185 mouse traps, 80 rat traps — 0

1 Emballonura shot yesterday evening.

This morning I tended traps, prepared the specimen and went out hunting along the stream. The boys set the remainder of the 223 rat traps. This afternoon spent about camp. The boys set the 27 steel traps.

Iverson, Walls, Schrenk, Brass, and van Arken arrived in camp today. The 2 latter from the 1500 m. camp and the 3 former from Bernhard camp. It is the most wild men that have been congregated in any one camp since we left Hollandia.

This evening shot bats and went packing for a short time.

Weather overcast with occasional breaks.

Feb. 14 6 Km. SW Bernhard Camp Idenburg R. Netherlands New Guinea 1200 m.

185 mouse traps, 223 rat traps, 27 steel traps —

3 Perygita, 1 Chromys, 1 Phascogale, 2 Melomys.
1 Phascogale and 1 Miniopterus shot.

This morning traded trops & prepared specimens. This afternoon made equipment ready for Mares and Bentley to trap at the Segisi River. These 2 collecting boys are going with Fox tomorrow to one of his small bush-like camps. They plan on being there for 14 days. The boys are taking 180 mouse traps, 10 steel traps, a gun and collecting equipment with orders to work the area out. They have the ability to make a good collection providing they put their efforts towards trapping & hunting.

This evening a shooting bat again. Secured 1 Emballonura. There are many bats flying about this camp; flight beginning about 6.30 and continuing on as late as one can see.

There is a frog calling in the forests whose voice is much like that of a dog bark. Some men have already confused the two.

With overcast with frequent breaks letting the sun through. No mist. Nights clear.

Feb. 15 6 Km SW Bunsbad Camp 2 Sisiwang R., Netherlands New Guinea 1200 m.

223 rat traps, 17 steel traps -
1 Dasyurus, 1 Chromys. 1 Phascogale and
1 Emballonura shot.

This morning traded traps and prepared specimens. This afternoon continued preparing specimens and built oven for drying specimens. Felt rather low with a headache and would not walk without stumbling.

Fox will transport all my two collecting boys left this morning for their new camp on the Segisi River. To be away for 2 weeks.

General Account

Weath: Overcast with occasional breaks. Rain this evening.

Feb. 16 6 Km. S.W. Bernhard Camp, Idenburg R. Netherlands New Guinea 1200 m.

223 rat traps, 17 steel traps — 1 Rattus, 1 Melomys. Yesterday evening 2 Miniopterus were shot.

This morning tended traps and prepared specimens. Afternoon went for a short hunt down ridge to east (no mammals seen). Returned to camp to take care of specimens, that is packing of dry skins. Today the boys spent their time in hunting; no mammals shot.

A thing of interest to me in the forest during of a "cuscus" on a walk through camp. It was apparently deposited last night by an animal traveling through the trees of camp in spite of the rain which continued most of the night.

Transport returned from Segis River (Texas camp) and a small transport of 2 soldiers and 1 convict in today from Bernhard Camp with 2 cans of gasoline. Understand that bulk of the transport came only as far as Bernhard Camp.

Weath: Morning start quiet, sunshine followed by mist which lasted until about 1:00. Mist cleared followed by light heavy overcast. Heavy rain last night.

Feb. 17 6 Km. S.W. Bernhard Camp, Idenburg River, Netherlands New Guinea 1200 m.

223 rat traps, 17 steel traps — 1 Rattus.

Spent most of day in bed with malaria. Managed to prepare the specimen this morning.

Ferris, Wells, Schroeder and transport moved to Arcaira Creek where they plan to keep permanent quarters.

Note from Fox says all is well. Have contacted the natives, they

Weath: Morning clear sunshine, afternoon overcast followed by heavy rain.

Feb. 18 6 Km. SW Bernhard Camp, Idenburg R. Netherlands New Guinea, 1200 m.
223 rat traps, 17 steel traps, 23 snares. —
1 Echymipera, 1 Dasyurus, 1 Hydromys,
1 Phascogale.

This morning tended the snares and prepared specimens. This afternoon finished preparing specimens and checked the rat traps, rebaiting those when possible and baiting all.

All is well in camp. To date that I have had in the past 4 days has practically vanished.

Weather: Morning clear at first and sunshine until the late afternoon. Afternoon overcast with very light rain. Evening clear.

Feb. 19 6 Km. SW Bernhard Camp, Idenburg R. Netherlands New Guinea 1200 m.
223 rat traps, 17 steel traps, 36 snares. —
1 Melomys.

This morning tended traps, prepared the specimen and wrote letters. This afternoon went hunting down the track. Heard one cassowary as a cat in distance, could not find any.

Twilight during his sitting of trees about this area last twice seen. Last he said flew out from palm where stayed by the fallen tree.
On another occasion a cuscus was seen escaping, the having fallen with the tree. It was said to have a white belly.

Weather: mostly clear this morning clouding up this afternoon. Rain this evening.

Feb. 20 6 Km. SW Bernhard Camp, Idenburg R. Netherlands New Guinea 1200 m.
223 rat traps, 17 steel traps, 74 snares. —
1 Melomys, 1 Dasyurus, 1 Dorcopsis, 2 (Juv.) Echymipera.
1 Caballorum sp.

This morning tended traps and prepared specimens. This afternoon finished

General Account

taking care of the mammals and labbed and roped Rand birds.

This morning Rand left for the Bernhard Camp. The Rube and Archbold are supposed to come in tomorrow and Rand has been requested to meet them.

A note from Fox today said that all was well in their camp and that they have had no further contact with the natives.

Weather: Alternating sunshine and cloud the former dominating.

Feb. 21 6 Km. SW Bernhard Camp, Idenburg R. Netherlands New Guinea 1200 m.

223 rat traps, 17 steel traps, 103 snares — 2 Melomys, 1 Pteromys. Tb 2 Phalangers, and 1 Craballonura were shot.

This morning tended traps and prepared specimens. This afternoon prepared mammals and birds and spent part time resetting 149 rat traps. This line is set N.E. of camp along a ridge top leading toward the Idenburg.

Weath: Early morning overcast, clearing for several hours and clouding up again with light rain forenoon. Afternoon overcast. Evening heavy rain.

Feb. 22 6 Km. SW Bernhard Camp, Idenburg R. Netherlands New Guinea 1200 m.

223 rat traps, 17 steel traps, 103 snares — 0. Tb 1 Phascogale was shot.

This morning spent tending traps, preparing the specimens and developing pictures. This afternoon reset 71 rat traps.

Several carriers came in from the Idenburg today. A note from Rand said that he was staying the evening at 800 m camp due to upset stomach.

Shot at flat as usual this evening.

At picking from 7:45 to 10:15. Saw bat only. One bird that was moved this.

Can be detected in forest by its flapping of wings against the tree probably as it changes feeding location on the same tree. Two individual seen and several more heard.

A note from Fox says he is well and happy and that Marcus has obtained 2 Lorentzimys.

Feb. 23 6 Km SW Bernhard Camp Idenburg R. Netherlands New Guinea 1200 m.

221 rat traps, 17 stick traps, 103 snares — 1 Dasyurus, 2 Rattus, 4 Melomys.

This morning tended traps and prepared specimens. This afternoon completed preparation of skins.

This evening shot bag, rain prevented packing.

Weather: Morning rains overcast. Break in overcast early afternoon. Rain yesterday evening.

Feb. 24 6 Km SW Bernhard Camp Idenburg R. Netherlands New Guinea 1200 m.

221 rat traps, 17 stick traps, 116 snares — 0.

The 2 Embalmers shot yesterday evening.

This morning tended traps, prepared the specimens, and developed pictures. This afternoon went for a hunt on one of the ridges down toward the Digis R. Saw little in the way of bird life and mammals (mist).

Weather: Overcast, and mist most of day, small breaks this afternoon.

Feb. 25 6 Km SW Bernhard Camp Idenburg R. Netherlands New Guinea 1200 m.

221 rat traps, 17 stick traps, 134 snares — 1 Thomys, 2 Pogeogeles, 2 (1 Juv.) Dorcopsis.

This morning tended snares and prepared specimens. This afternoon continued preparation of specimens. The boy today set 20 snares and rechecked the rat traps.

A note from Fox says that he and party are all O.K. and that Marcus is getting several good things in traps.

Swierk, Schrenk + Dr. Hulls in today reporting all is

General Account

well in Araucaria Creek camps. I sent with Tsenik an order for food sufficient for 3 Europeans upstairs including C.M. & Mund.

Waited for Tate and went jacking this evening but without results.

Weather: Early morning broken clouds remainder of day solid overcast.

Feb. 26 6 Km. S.W. Bernhard Camp Idenburg R. Netherlands New Guinea 1200 m.

221 rat traps, 17 shrew traps, 154 snares —

1 Melomys.

This morning tended traps, prepared 11 specimens and developed pictures. Afternoon went in search of new trapping localities along the ridge above camp.

Soldiers returned from Tsaro camp today saying all is well. Marcus is reported having caught "less than 40" mammals.

Weather: Overcast and light rain in early morning. Afternoon broke in overcast and occasional sunshine; late afternoon solid overcast.

Feb. 27 6 Km. S.W. Bernhard Camp Idenburg R. Netherlands New Guinea 1200 m.

221 rat traps, 17 shrew traps, 182 snares —

1 Chromys, 2 Phascogale

This morning tended traps and prepared specimens. This afternoon set 70 rat traps. Line is to the west of camp, through mixed oak forest.

Tsenik and Schrenk arrived this afternoon from the 800 m. camp. Brought in food stuff sufficient to maintain our party until the 6 K. They plan tomorrow to go to Tsaro camp and return with him the following day.

Weather. Morning fog mist and overcast. Early and late afternoon broken overcast with some sun. Mid afternoon rain.

Feb. 28 6 Km. S.W. Bernhard Camp Idenburg R. Netherlands New Guinea 1200 m.

220 rat traps, 17 shrew traps, 182 snares —

1 Melomys, 1 Phascogale, 1 Dasyurus, 1 Echymipera.

This morning tended traps and prepared specimens. This afternoon set 147 rat traps.

Terwink and Schrynder left this morning for Texas Camp. They took canvas (10) sufficient to move him back to Araucaria Creek tomorrow.

Morning Mist with brief intervals of sunshine. This afternoon mist and overcast.

Mar. 1 6 Km SW Bernhard Camp Idenburg R. Netherlands New Guinea 1200 m.

217 set traps, 17 stub traps, 182 ~~stub traps~~ —
1 Peroryctes, 2 Melomys.

This morning tended traps and prepared specimens. This afternoon prepared specimens, check and catalogued specimens brought in from the 1500 m. camp., set 15 stub traps, and prepared 173 more traps for setting. Unable to set more traps because of bad weather.

This morning about 11:00 Fox, Van Arkel, Schrynder, Terwink, transport, and my 2 collecting boys * arrived from their camp on the Segis R. They, that is the collectors, had been there for nearly 2 weeks collecting mammals. The following is the result of their work.

Specimens 43 (39 ~~skins~~ traps, 4 shot)
Traps 175 more traps, 10 ~~set~~ stub traps.
Days spent collecting 13
Trap nights 2405
Trap night per specimen 62-
Specimen per day 3.3.

The specimens are well prepared and well taken care of. They did not overwork but apparently kept the traps busy.

All the Europeans with the exception of Van Arkem went to Araucaria Creek after having lunch here.

Mar. 2 6 Km. SW Bernhard Camp Idenburg R. Netherlands New Guinea 1200 m.

217 set traps, 27 stub traps, 182 ~~traps~~ —
1 Peroryctes, 1 Thomys, 1 Anisomys, 1 Dorcopsis.

General Account

This morning tended traps, prepared specimens, and set 172 mouse traps. This afternoon finished preparation of specimens and roped dried specimens in preparation for shipment.

Last evening the dog while out hunting saw two large fruit bats that joined the shot. These bats are not infrequently heard feeding & flying about but as yet we have failed to collect one.

Weath: Morning misty and low overcast. Noon heavy rain for about 2 hrs. Afternoon, broke back in clouds remainder of day low overcast and fog.

Mar. 3 6 Km. SW Bernhard Camp Idenburg R. Netherlands New Guinea 1200 m.

217 rat traps, 173 mouse traps, 27 shrew traps, 186 spares — 3 *Melomys*. Tk, 1 *Pteropus* shot & 1 *Melomys* #7610 was found dead.

This morning tended traps, prepared specimens. This afternoon developed negatives and watched the birds at display ground.

6 carriers took part of Blasius equipment to Araram Creek this morning. He will go down with the remainder of his equipment tomorrow.

Weath: Morning overcast mist, occasional light rainfall. Afternoon almost unbroken cloud overcast.

Yesterday evening spent 1½ hours out shooting. The moonlight made observation easy. Saw many small bats and 2 large fruit bats. The latter were flying over the trap lines with a silent, steady wing beat.

Mar. 4 6 Km SW Bernhard Camp Idenburg River Netherlands New Guinea 1200 m.

217 rat traps, 172 mouse traps, 27 shrew traps, 209 spares — 1 *Melomys*, 2 (1 ♂, 1 ♀) *Peroryctes* 1 *Pteropus* The *Rattus* was found dead, and the 2 *Miniopterus* were shot.

This morning tended traps and prepared

specimens. Thompson went for short hunt down the track but returned because of bad weather.

Yesterday evening boy at jacking and saw 1 small "tikus" rat in - the hut missed the pig.

Bros moved to 800 m. camp today.

Weather: Mist, overcast all morning. Afternoon intermittent showers, high broken overcast with occasional mist cloud from below.

Mar. 5 6 km. SW Bernhard Camp Idenburg R. Netherlands New Guinea 1200 m.

217 rat traps, 172 mouse traps. 27 stick traps, 231 snares — 5 Milomys, 1 Uromys, 1 Anisomys, 1 Pseudochirus.

This morning and afternoon spent in camp in packing specimens and equipment for the transport down tomorrow. All traps are in 172 mouse traps, 214 rat traps, 27 stick traps. I shall leave a dyak here for the next two days to attend the snares.

This morning Hulst and Schenkel came in. They plan on staying here this night and tomorrow with van Arken go over into the Segis River country to visit the natives.

A note from Bros says all well.

Weather: High overcast with occasional light rain, a few short breaks with sunshine.

Mar. 6 4 km SW Bernhard Camp Idenburg R. Netherlands New Guinea 800 1200 m.

231 snares (at 1200 m. camp) — 0.

Broke camp this morning and after about 1½ hours travel arrived here. Road remained in 1200 m. camp; commencing down tomorrow. The following is a list of carriers load.

Traps	5
Collecting boxes	2
Specimens	2
Box 32	1

General Account

Tent + Fly 1
Chairs, table + lamp 1
Food stuff 1
Sleeping 1
Personal 1
Radio 5

Total 20. Canoe load (light).

Our camp here I believe will prove to be a very pleasant one. It is situated on the high flood plain of Araucaria Creek and is arranged in a spacious manner. Bearers say one must walk 800 yds each morning before work. But it is quite a relief after the cramped crowded camps which we have had on the Sepik boats. The climate is comfortable, not too hot, not too cold and the insects seem well behaved.

After arrival put up the radio, arranged my quarters and set all traps. Have also recruited 4 Dyaks + the Capilla for making snares. They start to work tomorrow. Now have a total of 90 Dyaks, + Moreau all busy at the rat business.

Weather, overcast + low cloud; occasional light rain.

Put in an order of food today. Quantity necessary for a month's stay here, that is food to be added to the supply already in. — Coffee 3; Quaker Oats 1, Canned fruit 3; vegetables 20; Dried apples 5, Canned milk 4, Canned beef 50; Whiskey 5.

Mar. 7 4 km. SW Beaufort Camp Fly River, Netherlands New Guinea. 850

172 mouse traps, 214 rat traps, 27 stick traps + Melomys. ~~From~~ From the camp above 231 snares attended yielding 1 Uromys.

Today tended traps, prepared specimens, and made an oven for drying specimens.

Rest camp down bag and baggage this morning from the 1200 m. Camp. We are completely moved at the last camp, that it stands abandoned.

Transport of 20 boys + soldiers left this morning for Bernhard Camp.

Weather: Last night rain. Today overcast and fog, with occasional small break.

Mar. 8 4 km. SW Bernhard Camp 2 Idenburg R. Netherlands New Guinea 850 m.

172 mouse traps 216 rat traps, 26 shrew traps, 87 +47 snares — 1 Melomys, 1 Hydromys, 1 Uromys 2 (1 Sex) Pseudocheirus.

This morning tended traps, prepared specimens; the rain prevented any field work. Afternoon went Idenburg down the river. It is a stream 20 to 40 ft wide with large gravel banks and cut away forest edges. Coarse grass is common on the upper portion of the gravel banks. The lower flood plain shows that there is at times considerably more water flow than at present.

Weather: Mist + light rain all morning. Afternoon high thin overcast which closed in by 4:00 with rain.

Mar 9 4 km. SW Bernhard Camp 2 Idenburg R. Netherlands New Guinea 850 m.

172 mouse traps, 216 rat traps, 27 shrew traps 141 snares. — 3 Melomys, 2 Pseudocheirus, 1 Uromys, 3 (2 Sex) Echymipera.

Snares at 1200 m. camp tended. 231 snares X 2 days — 1 Phalanger, 1 Ploscrogale, 2 Pseudocheirus.

This morning tended traps, prepared specimens, and took a short hunt up the river. Examined both sides of the river up ½ km. Few rat signs. Badly mutilated by palm heart stalkers.

This afternoon Fuller, Schrenden, van Arden, patrol, and 9 Papuans came into camp from the Sepik. All in good health and happy.

The papuans are not unlike those from

General Account

th Sele River region. Their dress and ornaments were much the same. Their appearance and action as well as their language is not unlike that of our friends from the 2200 m. camp. (Sel R.). They had 5 dogs with them two of which we purchased, the small one for 5 shells and the larger one for 1 large knife.

Early evening watched for bats in camp clearing, along river, and in second growth forest. A few were seen (4 or 5) but in impossible to shoot them.

Late evening went hunting with flash light. Hunted along south east from camp. Saw one small Melomys it was running along the forest floor taking advantage of the small runways through the thick undergrowth. When disturbed it sought retreat among the litter of freshly fallen trees rather than climbing. Shot 1 Phalanger (see notes.)

Weather: Overcast with short ½ hr of sunshine just forenoon. No rain.

Mar. 10 ¼ Km. SW Bernhard Camp 2 Idenburg R. Netherlands New Guinea 850 m.

172 mouse traps, 216 rat traps, 27 steel traps

207 snares — 1 Melomys. 1 Phalanger shot. 2 Cavia bought from native.

Snares at 1200 m. camp tended 231 snares — 0.

This morning tended traps and prepared specimens. Afternoon finished preparing specimens and searched over portion of the flood plain below camp for fruiting Cycadeae.

Weather: Overcast except for period from 10:30 to 12:00 Heavy rains about 4:00 and evening.

Mar. 11 ¼ Km. SW Bernhard Camp 2 Idenburg R. Netherlands New Guinea 850 m.

172 mouse traps, 216 rat traps, 27 steel traps.

266 snares. — 1 Perognathus. Caught by convict 1 Cyclopsicus.

This morning tended traps, prepared specimens This afternoon went hunting up the river. Taken ill and returned to spend remainder of day in bed. Stomach upset.

Weather Overcast with breaks late morning and

early afternoon. Lat evening rain.

Mar. 12 4 Km. SW Bernhard Camp 2 Idenburg R. Netherlands New Guinea 850 m.

172 mouse traps, 216 rat traps, 27 steel traps — 318 snares — 1 Chromys, 2 Melomys. Shot 1 Phascogal. Lt Hd & Cavia

From 231 X 2 (days) snares at 1200 m. camp — 1 Chromys.

Remained in camp all day recovering from yesterdays illness. The boys tended traps, prepared specimens and reset 27 steel traps to the ridge south east of camp.

Today 5 Papuans were in with 4 dogs for trade. We purchased 2 of the best specimens and prepared them. They remained about camp for about 1 more hour trying to get customers for their unpurchased dogs and then left as they came.

Evening packed 2 boxes of specimens for tomorrows transport down to the Bernhard Camp.

Lat evening went out jacking. Bats (small) were the only mammals seen. Heard dogs barking in the distance, direction, toward 1200 m camp. There are very few small bats to be seen out and only one or two. Heard the flapping of wings of the large fruit bats.

Weather. Overcast most of the day.

Mar. 13 4 Km SW Bernhard Camp 2 Idenburg R. Netherlands New Guinea 850 m.

172 mouse traps, 216 rat traps, 27 steel traps, 371 snares. — 1 Melomys.

This morning tended traps, prepared specimens, degreased dog skins. This afternoon reset 108 rat traps. Rain kept us in the early part of the afternoon.

This morning, Fox, van Arken and transport of 33 Dyaks, 5 convicts, + 5 soldiers left for Bernhard Camp. They took out specimens to meet the plane on the 15th.

I sent down the following

Box #32 — mammals

General Account

Box #7 mammals
1 cartridge box containing skulls.
3 small tins skeletons.

Weather: Overcast with occasional small breaks this morning until 10:30. 10:30 to 12:00 heavy rain. Rain 1:00 to 2:00 2:00 - 5:00 overcast.

Mar. 14 4 Km. S.W. Bernhard Camp Idenburg R. Netherlands New Guinea 850 m.

172 mouse traps, 216 rat traps, 27 stick traps, 409 snares — 1 Melomys.

From 231 snares x 2 days at 1200 m. camp — 1 Echymipera.

This morning tended traps, prepared specimens, and spent 2 hrs searching on the ridges below camp for locality in which to set traps. This afternoon set 101 rat traps south of camp along an Agathis ridge. Its a good looking locality.

This morning Sergeant Citsen, 2 soldiers, 1 convict left for Bernhard Camp.

Weath: Overcast with frequent rains. Heavy wind this evening.

Mar. 15 4 Km. S.W. Bernhard Camp Idenburg R. Netherlands New Guinea 850 m.

155 mouse traps, 209 rat traps, 27 stick traps, 442 snares - 1 Echymipera, 3 Perogyctes, 1 Melomys

This morning tended tracks during the flight of the Gulba to Idenburg. Later prepared specimens. Afternoon reset 155 mouse traps. I am having trouble with the mouse traps. They are breaking at the rate of about 2 per day.

This afternoon transport came in from Bernhard Camp bringing fresh food, mail, and special orders.

Weather: Morning until 10:30 light broken overcast with much sunshine. From 10:30 on overcast. 4:30 to 6:00 evening heavy rain and very heavy wind.

Mar. 16 4 Km. S.W. Bernhard Camp Idenburg R. Netherlands New Guinea 850 m.

155 mouse traps, 209 rat traps, 27 stick traps

508 snares — 1 Dorcopsis, 1 Perongetes, 1 Phascogal. 1 Pseudokyphomys, 3 (2 Juv.) Echymipera, 1 Melomys.

Snares at 1200 m. camp totaled 231 snares X2 days — 0

Tended traps and prepared specimens this morning. Afternoon started for new trapping locality along small stream and south west of camp.

Tents, Fox and transport arrived late this morning. Brought up Detel parties provisions.

Early evening went out hunting along lower edge of flood plain, along river. No bat sun.

Late evening went jacking 6 frogs.

Weather: No rain; sunshine with intermittent overcast.

Mar. 17 4 Km. SW Bernhard Camp Idenburg R. Netherlands New Guinea 850 m.

155 mouse traps, 209 rat traps, 27 stick traps 573 snares, — 1 Melomys, 2 Perongetes.

The Phalanger (skin-skull) was sent up this morning by van Arken from Bernhard Camp.

This morning tended traps & prepared specimens. Rain kept me inside remainder of day.

Transport arrived from Bernhard Camp with gasoline, paper, axes, fountain for American party.

Weather overcast with frequent rain.

Mar. 18 4 Km. SW Bernhard Camp Idenburg R. Netherlands New Guinea 850 m.

155 mouse traps 209 rat traps, 27 stick traps, 573 snares — 2 Melomys, 2 (1 Juv.) Echymipera.

Snares at 1200 m. camp totaled 231 snares × 2 days — 0.

This morning tended traps, prepared specimens and took a short hunt up river. Afternoon remained in camp awaiting report from snares at 1200 m. camp and for the weather to clear. Late afternoon went down to examine some fruiting trees and the possibility of cuscus feeding on them.

Evening at for bat. Many seen but unfortunately the only one shot fell in river and was lost.

Weather: Overcast in morning until 10:00. 10:00 to 11:30 sunshine. Overcast from 11:30 on with intermittent light shower. Evening heavy rain. Rain continued most of the night.

General Account

Rand left this morning for Bernhard Camp. To return to be away for 4 or 5 days. Taking advantage of the high water and the possible concentration of birds which may occur on the higher ground.

Mar. 19 4 Km SW Bernhard Camp Idenburg R. Netherlands New Guinea 850

155 mouse traps, 209 rat traps, 27 stub traps, 598 snares — 1 Melomys, 1 Pharcogale, 1 Phalanger, 1 Perogalea.

Morning tended traps and prepared specimens. Afternoon went down the R. river, rain prevented going very far & seeing very much. Evening hunted for bats, none seen.

Weather. Overcast with light rains in morning and heavy rains in late afternoon. Rained most of the night.

Mar. 20 4 Km SW Bernhard Camp Idenburg R. Netherlands New Guinea 850.

150 mouse traps, 209 rat traps, 27 stub traps, 643 snares — 4 Melomys, 1 Pharcogale.

Snares at 1200 m camp tended 231 x 2 days — 0.

This morning tended traps, prepared specimens, and went for a short hunt along the lower flood plain. Afternoon also out in this same region for a short time. Evening out for bats in an opening at the upper edge of the flood plain. Three individuals seen one of which fell when shot but could not find it. Evening shot a R. Pseudochirus while feeding.

Weather. Overcast breaking in late morning. Unsettled during afternoon.

Mar. 21 4 Km SW Bernhard Camp Idenburg R. Netherlands New Guinea 850 m.

150 mouse traps, 209 rat traps, 27 stub traps, 670 snares. — 1 Pharcogale, 4 (2 Juv.) Echymipera, 1 Melomys, 1 Uromys. Shot 2 (1 Juv.) Pseudochirus.

This morning tended traps + prepared specimens. Afternoon spent at with the Djake making snares.

There were two Papuans in camp this late morning each with a dog & set off. They did

not make the rate and soon left.

Spent the evening but skating and packing. Obtained 2 individuals new for this camp.

Weather: Morning overcast with occasional breaks; afternoon overcast with occasional light rain.

Mar. 22 4 Km. S.W. Bernhard Camp, Idenburg R., Netherlands New Guinea 850 m.

150 mouse traps, 209 rat traps, 27 shrew traps, 742 (6 juv.) snares — 1 Melomys, 3 (2 juv.) Echymipera, 2 Pteropus, 1 juv. Yesterday evening shot 1 Nyctimene, 1 Pipistrellus, 1 (ca. juv.) Rattus.

Morning spent tending traps and preparing specimens. Afternoon went 27 shrew traps in the mossy forest east of camp.

Soldiers brought in a cassowary today. A young ♂. The head and wing were saved for specimens.

Weather: Morning overcast with light rain; afternoon overcast with occasional small breeze.

Note: Traps at 1200 m camp attended today.

231 snares x 2 days — 0

Mar. 23 4 Km. S.W. Bernhard Camp, Idenburg R., Netherlands New Guinea 850 m.

150 mouse traps, 209 rat traps, 27 shrew traps, 769 snares — 1 Melomys, 1 P. taloga, 2 Phascogale. Shot 1 P. taloga. Caught in insect net 1 Melomys.

This morning packed specimens in alcohol to Hollandia and prepared specimens brought in by collectors. Afternoon went 108 rat traps along the far side of the river above camp. Four types of catching area gotten into there.

From the radio learn of very high water on Idenburg. Intend in planning to leave tomorrow to construct new camps at the edge of the hills.

Weather: unsettled, broken overcast, occasional light rain.

General Account

Mar. 24 4 Km. SW Bernhard Camp 2 Idenburg R. Netherlands New Guinea 850 m.
150 mouse traps, 209 rat traps, 27 stub traps,
812 snares — 3 Melomys, 1 Hydromys, 1 Phalanger.
1 Echymipera, 1 Perogales, 1 Dorcopsis.
Tended snares at 1200 m. camp 231 mouse x 2 days — 0
Morning tended traps, and prepared specimens.
Afternoon reset 99 rat traps and developed pictures.
The traps were set 4 km and bordering the
Agathis forest below camp.
Started off this morning with all
available men to construct a new camp above
the Idenburg floods at the edge of the
foothills.
Weather Early morning dark overcast, clearing
mid morning with breaks and frequent sunshine.
Afternoon overcast. Evening heavy rain and wind.

Mar. 25 4 Km SW Bernhard Camp 2 Idenburg R. Netherlands New Guinea 850 m.
150 mouse traps, 207 rat traps, 27 stub traps,
812 snares — 3 Melomys
Morning tended traps, prepared specimens. Afternoon
reset 125 mouse traps. This line is from N W of camp
on the ridges above the flood plain. It is a
second growth forest with rather thick undergrowth.
Evening shot 2 bats. It was a mild evening and many
bat were seen flying about. Late evening went jacking
no mammals seen but managed to capture some
frogs new to the collection. The boys saw several
small rat one of which they shot.
Weather: Rain, broken overcast.

Mar. 26 4 Km. SW Bernhard Camp 2 Idenburg R. Netherlands New Guinea 850 m.
125 mouse traps, 207 rat traps, 27 stub traps,
832 snares. — 4 Melomys Shot 2 Emballonura,
1 Pogonomys.
Morning tended traps and prepared
specimens. Being sunday the early afternoon
was spent in rest and reading. Later on in the
afternoon packed up a black box of
specimens for transport down tomorrow.

The following is a list of specimens to go down with tomorrows transport.

Black box ± 53, Larg + med. mammals.

Green sac containing box of flat skins

2 small cans alcoholics.

A transport came in this morning with 7 carriers, to return tomorrow with specimens.

Weather. - Morning broken overcast; afternoon continued rain.

Mar. 27 4 Km SW Bernhard Camp Idenburg R. Netherlands New Guinea 850 m.

* 125 mouse traps. 207 rat traps, 27 stub traps, 832 snares - 1 Phascogale, 1 Dorcopsis, 1 Phalanger, 1 Uromys.

Tended snares at 1200 m. camp 231 snares x 3 days - 7 (6 Juv.) Phascogale

This morning tended traps, and prepared specimens. Afternoon spent in the field in search of suitable trapping localities along the river and for fruiting trees.

This morning Boyd returned from the Idenburg. He reports good collecting on Idenburg during the high water. He was particularly successful in the swampy regions. He states that he has prepared 3 Uromys and 6 Phalangers

Early evening was wet but shooting. Many bat flying, apparently 2 sp., but was unable to hit them. Late evening out jacking. Saw one tree rat but it escaped in cover of forest undergrowth.

Weather: Morning rain. Broken overcast with sunshine partially during the late morning.

Mar. 28 4 Km. SW Bernhard Camp Idenburg R. Netherlands New Guinea 850 m.

125 mouse traps, 207 rat traps, 27 stub traps, 845 snares — 1 Uromys, 1 Pteropetes

Morning tended traps, and prepared specimens. Afternoon spent in search of suitable trapping localities along the ridge

General Account

to the north of camp. Evening shot #3 bats. Last evening set yielding, nothing seen. Boys shot 1 Pseudochirus.

Weather: Light rain early morning clearing mid morning; occasional clouds, most sunshine remainder of day. Evening cool light thin overcast.

Mar. 29 4 Km. SW Bernhard Camp Idenburg R. Netherlands New Guinea 850 m.

125 mouse traps, 20 rat traps, 27 steel traps, 845 snares. — 2 Echymipera. Shot - 2 Emballonura, 1 Pipistrellus, 3 (2 ♂♂) Pseudochirus.

Skins traded at 1200 m. camp 231 snares × 2 days = 0.

This morning ~~traded traps~~, prepared specimens, and went up to the 1200 m camp. I was able to check over part of the lines of snares and spent some 2½ hours watching the bird of Paradise display ground. There were no birds about although the floor was clean showing occupancy.

This evening shot 1 bat. The flight ~~was~~ began as usual about 6:20 but stopped all of a sudden at 6:32. The sudden change was perhaps due to the coming of rain which broke some 10 min. later.

Transport arrived this afternoon about 5:00 from Bernhard Camp bringing with it flour, 2 axes, mail, squash. Transport comes up tomorrow with remainder of fresh food brought in by the Gubs today.

Weather: Clear with occasional cloud until about 3 when it cam overcast. Sprinkle at 5:15 and heavy rain about 7:00 to 8:30+.

Mar. 30 4 Km. SW Bernhard Camp Idenburg R. Netherlands New Guinea 850 m.

125 mouse traps, 20 rat traps, 27 steel traps, 876 snares. — 1 Perongetes, 1 Echymipera, 1 Melomys, 1 Dorcopsis. Shot, Pipistrellus

This morning tended traps and prepared specimens. Afternoon looked for new trapping locality along the upper edge of the flood plain

on the far side of the river above camp. Evening shot 1 bat. Spent several hours during late evening out jacking but without results.

Weather: No rain; dry; mod sunshine during middle part of the day. Broken overcast morning and evening.

This morning Cap. Eeuwes, Wells, and transport arrived in camp bringing us with them books and potatoes for American party. They report all well and things in good order at Bernhard and the camp at the foot of the hills.

Mar. 31 4 Km. SW Bernhard Camp Idenburg R. Netherlands New Guinea 850 m.

125 mouse traps, 207 rat traps, 27 stub traps, 931 snares — 4 Melomys, 1 Eclysnipsus, 1 Chromys. Shot - 1 Emballonura.

This morning tended traps and prepared specimens. Afternoon inspected prepared, stuffed trap lines. Find that the Dyak has cultivated and marked suitable runways. Late afternoon took care of alcoholic material. Evening out for bat but failed to get any. Later out jacking and procured 2 (1 Juv.) Phalangers.

Weather: Broken overcast with much sunshine during mid day. No rain until 8:30 P.M.

Apr. 1 4 Km. SW Bernhard Camp Idenburg R. Netherlands New Guinea 850 m.

125 mouse traps, 207 rat traps, 27 stub traps, 987 snares — 2 Peroryctes, 2 Eclysnipsus, 4 (3 Juv.) Dasyuroides, 1 Melomys. Shot 1 Thoopsus, 2 (1 Juv.) Phalangers.

~~Trapped at 1200 m. camp. 31 snares x 3 days = 0~~

This morning tended traps and prepared specimens. Late afternoon reset 97 rat traps along the river bank below camp. Evening out for bats but failed to get any. Late evening out jacking. Shot 1 Pseudochirus.

About noon Buzzis, van Arken and transport came in camp.

General Account

Bygsie is taking over my radio duties while he remains in this camp.

Weather: Broken overcast in morning. Rain during afternoon clearing about 4:00. Evening overcast.

Apr. 2 4 Km. SW Bernhard Camp Idenburg R. Netherlands New Guinea 850 m

125 mouse traps, 205 rat traps, 27 stub traps, 987 snares — 1 Rattus, 1 Phascogale, 1 Lorentzimys, 1 Melomys, 1 Hydromys, 2 (1 Juv.) Pteromyscus. Skt 1 Pseudocheirus.

This morning tended traps and prepared specimens. This afternoon remained about camp reading mail and generally doing nothing for today is Sunday. Evening out for bats and skinned 1. Late evening out jacking. Saw one cuscus but it escaped. It was probably one of the large gray Phalangers. It was first seen climbing up a bit of jungle rope. After circling several times it disappeared in the foliage of a large tree. It climb with remarkable ease and rapidity and is not the slow motion climbing of Th. maculatus.

Weather: Broken overcast during day with much sunshine during midday. Rain during night starting about 9:00.

Apr. 3. 4 Km. SW Bernhard Camp Idenburg R. Netherlands New Guinea 850

125 mouse traps, 205 rat traps, 27 stub traps, 987 snares — 3 (1 Juv.) Pteromyscus, 1 Eleomys, 1 Dorcopsis, 1 Melomys, 1 Hydromys, 1 Dactylomys, 1 Rattus. Skt 1 Emballonura.

This morning tended traps and prepared specimens. Afternoon went 10 Km along the river below camp. Evening out for bats and late out jacking.

Weather: Morning broken overcast. Afternoon intermittent rain clearing about 3:30. Late evening heavy rain.

Apr. 4 4 Km SW Bernhard Camp Idenburg R. Netherlands New Guinea 850 m.
125 mouse traps, 203 rat traps, 27 shrew traps, 998 snares. — 2 (Nov.) Dorcopsis, 1 Dromys.

Morning tended traps and prepared specimens. Afternoon reset 92 mouse traps on a low ridge and dog spelled creek to the SW of camp. Evening out for bats and late at jacking but nothing obtained.

This morning Fox, Jerimi, Hulk, Bagonis, and transport left for Bernhard camp to the small camp at the foot of the hills. They will remain there until they leave for Hollandia.

This afternoon 2 papuans came in with 4 dogs to sell. They did not however sell any of their dogs but I did buy Manioc a sweet potato like thing which is to be used as rat bait. They remained about camp amusing us and evening crossed the river to their nights shelter. These natives are not only interested in selling their dogs but also in obtaining permission to take 2 discarded axes which they had found at the 1200 m. camps. Honesty is the best policy and a permitive one.

Weather: Clear until occasional lazy clouds. Evening clear.

Apr. 5 4 Km. SW Bernhard Camp Idenburg River Netherlands New Guinea 850 m.
92 mouse traps, 203 rat traps, 27 shrew traps, 1033 snares — 1 Melomys, 1 Dasyurus.

Morning tended traps, prepared specimens and finished odd jobs about camp. Afternoon spent poisoning fish with some derris powder which Fox left in camps. Evening out for bats again but only a very few seen. Out jacking in late evening.

Weather: Cloud, overcast in morning. Drizzling late morning. Afternoon broken showery clouds.

General Account

Apr. 6 4 Km. SW Bernhard Camp Idenburg R. Netherlands New Guinea 850 m.

92 mouse traps, 203 rat traps, 27 stub traps, 1075 snares. — 4 Melomys, 1 Pharcogale, 1 Hydromys.

This morning tended traps, prepared specimens, and packed alcoholics for shipment. This ~~morning~~ afternoon went for a shot hunt down the river. Spent rest of afternoon packing material for shipment. This evening went out for bats and jacking. Dry for bats also, and two normal ones by touch light.

This morning Bross left for Bernhard Camp with boy and baggage. Actually he is going to a small subsidiary camp at the foot of the hills some half hours distance from Bernhard Camp.

Weather Broken overcast with sunshine during midday. Evening rain.

Apr. 7 4 Km. SW Bernhard Camp Idenburg R. Netherlands New Guinea 850 m.

92 mouse traps, 203 rat traps, 27 stub traps, 1075 snares — 4 Melomys, 1 Uromys, 1 Dasyurus, 2 Echymipera.

This morning tended traps, and prepared specimens. Remainder of day spent in packing specimens and equipment for trip to Bernhard Camp tomorrow. All traps taken up and packed.

Weather: Broken overcast with heavy rain mid afternoon.

Apr. 8 Bernhard Camp Idenburg R. Netherlands New Guinea 800 m.

No traps.

Left 850 m. camp this morning at 7:00 and arrived here at 9:00. Rest and had 27 carrier loads ranging in weight from 18 to 25 Kg. Following is list of my equipment with weight. — 4 mos. traps 22 Kg wt; Can # 77. 6 Kg; 2 cartridge boxes 2½. 3½; Box # 1, 8 Kg; Large can alcoholics, 12 Kg; Rods, 20-22 each; Box # 4, 15 Kg Box # 3, 16; Box, 25 Kg. Box 58, 21 Kg.

Our camp here is actually not Bernhard Camp but rather a small subsidiary camp

at the base of the foot hills some ½ hr. ~~S.~~ SW from Bernhard Camp. It is situated on a small rocky ridge on the east bank of the second stream from Bernhard Camp. This camp was constructed for collecting and to be used by entire party if Bernhard Camp itself became too deep in water. Tex, Brass, and I are at present staying here collecting Rand having gone into Bernhard Camp.

Weather: Broken overcast with heavy rain in evening.

Set all traps this afternoon consisting of 267 rat traps, 79 mouse traps, 27 skink traps.

Apr. 9 ~~Bernhard Camp. Idenburg R. Netherlands New Guinea~~ 80 m.
79 mouse traps, 267 rat traps, 27 skink traps, —
1 Melomys.

Part of the 1075 swarm (400 ± 2 days) at the 850 m. camp tended — 1 Dorcopsis, 1 Echymipera.

This morning tended traps, prepared specimens, and constructed oven for drying of green specimens. Afternoon went to Bernhard Camp. Checked on provisions and made up order for full quantity for 50 days. Also brought into this camp food for 10 days for Brass and myself. Brought back specimens which Rand had prepared for cataloguing.

Weather: overcast with occasional breaks.

Apr. 10 Bernhard Camp Idenburg R. Netherlands New Guinea 80 m.
79 mouse traps, 267 rat traps, 27 skink traps —
1 Melomys, 1 Echymipera.

This morning tended traps, prepared specimens, and catalogued specimens prepared by Rand. Afternoon out fishing with Dennis along a small stream up it reaches the Idenburg flood waters. (See sketches) Evening out for bats and late out with lamp jacking. Did not get any mammals.

Weather: Broken overcast clearing in mid day.

General Account

Apr. 11 Bernhard Camp Idenburg R. Netherlands New Guinea 80 m. 170 miles
79 mouse traps, 267 rat traps, 27 steel traps - 0.
This morning tended traps, took care of skeletal specimens and went to Bernhard Camp for Alcohol, Formiba, Gabolins, Cigarettes, Wax Paper, etc.
Afternoon explored portion of lower ~~swamp~~ flood plain near Landing.
Evening out for bat and late at night with lamp. Shot 1 bat eating bat by lamps light.
Weath: Broken overcast clearing in afternoon. Light rain early morning.

Apr. 12 ~~Bernhard Camp~~ Idenburg R. Netherlands New Guinea 80 m. 130 miles
79 mouse traps, 267 rat traps, 27 steel traps - 0
Yesterday evening shot 1 Dobsonia. Rained most over 1 Dobsonia, 1 Pteropus. Afternoon shot 3 Emballonura
This morning tended traps, prepared specimens and did odd jobs about camp. Afternoon went hunting along the upper edge of the flood plain where it meets the mountains. There are several good trap sites in this area especially along the small stream sides. Shot 3 bat. Evening out bat shooting and late out jacking. 14 mammals obtained.
Weath Early morning overcast; mid morning breaking; remainder of day clear with occasional clouds.

Apr. 13 Bernhard Camp Idenburg R. Netherlands New Guinea 75 m. 170 miles
79 mouse traps, 267 rat traps, 27 steel traps - 0
Shot 8 Pteropodemus this afternoon.
This morning tended traps and went at hunting on the flood plain. Afternoon cut track along river for night hunting and prepared specimens. Set 57 rat traps. Evening out for bat.
Weath: overcast clearing during mid day, evening rain which continued through the night.

Apr. 14 Bernhard Camp Idenburg R. Netherlands New Guinea 85 m.
57 mouse traps, 267 rat traps, 27 steel traps
222 snares – 1 Chromys, 1 Hydromys.
Morning prepared specimens and packed specimens. Afternoon finished packing specimens for shipment to Hollandia tomorrow. Evening we were invited to the main camp for dinner and entertainment. It was a bit of the "Q."; big drink, big eat, big talk and everyone leaves happy.
Weather: rain in morning until about 10:30. Remainder of day broken overcast.

Apr. 15 Bernhard Camp Idenburg R. Netherlands New Guinea 75 m.
57 mouse traps, 267 rat traps, 27 steels traps, 253 snares. – 1 Chromys, 1 Pteromyscus, 1 Echymipera. Killed 1 Phalanger
This morning went to Bernhard Camp to post the mail, remainder of morning spent in preparing specimens. This afternoon reset 259 rat traps.
Today the Guba came into the lagoon of Bernhard Camp. It made 2 trips taking on Fox, Tierind, Foxes 3 assistants & 1 cook, 1 brigade of soldiers, convicts, and Dyaks. a total of about 28 men. It brought in mail, fresh food stuffs and orders.
Weather: Broken overcast clearing during mid day.

Apr. 16 Bernhard Camp Idenburg R. Netherlands New Guinea 75 m.
57 mouse traps 259 rat traps, 27 steel traps, 268 snares – 2 Chromys, 1 Dasyurus.
Shot 3 Phalanger
This morning tended traps and prepared specimens. Afternoon fished at large crocodile which was shot by Ford at Bernhard Camp. (13 ft 8") Evening at bat shooting and late at packing.
Weather: Broken overcast

General Account

Apr. 17 Bernhard Camp 2 Idenburg R. Netherlands New Guinea 75 m.
57 mouse traps 259 rat traps, 27 stick traps
328 spares — 3 Dasyurus, 4 Echymipera.
Shot 2 Dobsonia, 1 Sus

This morning tended traps and prepared specimens. Afternoon went to Bernhard Camp for supplies and prepared specimens. All seem well and bagging at the main camp. Rained (very hard) during night and heavy rain during afternoon. Saw 2 Dobsonia flying about at dusk but failed to get any.

Weather: Overcast. Breaking during mid day; evening rain.

Apr. 18 Bernhard Camp 2 Idenburg R. Netherlands New Guinea 75 m.
57 mouse traps, 259 rat traps, 27 stick traps.
360 spares — 0
Shot 4 Emballonura

This morning tended traps, and hunted along the flood plain. Afternoon hunted on lower flood plain. Shot 4 bats.; prepared them as specimens.

Bags moved bag and baggage to the main camp. We intends working out from that camp by canoe.

Evening out for bats and (3 a.m.?) taken out jacking. There are many bats flying about in the evening. Most individuals seem to feed below the forest crowns in the leaf second stage or lower crown vegetation. Jacking at night has been very poor. Usually spent from 7:30 to 9:30 in the field moving slowly watching trees and undergrowth for eyes or movement of vegetation. Up to date I have seen what I believe to be 1 Dasyurus.

Weather: Overcast with bags breaks during mid day; last night rain.

Apr. 19 Bernhard Camp 7 Idenburg R. Netherlands New Guinea 75 m.
57 mouse traps, 268 rat traps, 27 shrew traps, 418 snares — 1 Echymipera, 1 Canis. Shot 1 Dobsonia, 1 Pogonomys
Yesterday morning prepared specimens, and went hunting along the swampy edge of the lower flood plain. Afternoon set 114 rat traps along stream side of upper flood plain.
Weather: Overcast with small breaks during morning; rain 11:30 and light intermittent rain afternoon; heavy rain early evening.

Apr. 20 Bernhard Camp 7 Idenburg R. Netherlands New Guinea 75 m.
57 mouse traps, 260 rat traps, 27 shrew traps, 463 snares — 2 Echymipera, 1 Phascogale killed. 1 Melomys. Shot - 4 Emballonura, 1 Sus, 1 Hipposideros.
Morning tended traps prepared specimens and went out hunting.
Afternoon set 143 rat traps along the river bank in the flood plain.
Weather: Broken overcast rain in evening.

Apr. 21 Bernhard Camp 7 Idenburg R. Netherlands New Guinea 75 m.
29 mouse traps, 257 rat traps, 27 shrew traps, 483 snares - 2 Echymipera
Morning tended traps, prepared specimens, and went for a short hunt along lower flood plain. Afternoon prepared (flesh) skin of pig and went to Bernhard Camp for supplies. Evening out for bats (hit 1) and later out picking (nothing seen except for bats)
Weather: Overcast with few breaks. Light rain early afternoon.

Apr. 22 Bernhard Camp 7 Idenburg R. Netherlands New Guinea 75 m.
29 mouse traps, 257 rat traps, 27 shrew traps, 520 snares — 4 Echymipera, 1 Melomys Shot 1 Phalanger, 1 Pipistrellus,

General Account

1 Miniopterus, 2 Emballonura.

Today about camp preparing specimens, etc, etc.

Evening set for bats, shot 1. Late set jacking no results; returned early because of heavy rain.

Two Avia in camp this evening. Told 1 the 2 planes which we heard coming in the bogan today. They are the gold mine planes, Eitzman + Zielken (sp?), a Government and a Navy plane. This plane is to bring in Bernhard Camp 20 Dyaks, 10 forestry cadets, police and ~~scientific~~ crew (geologist etc). They will proceed up the Idenburg R. by canoe (our canoes) as far as the gorge and carry through the gorge and then build more canoes and proceed on up the river to this destination (?). Several days ago they attempted landing on the river some 80 km. above our camp. While they were successful in this attempt they found the water very swift and many logs and so later it was wise to make further landings then.

Weather: Overcast with occasional small breaks; evening heavy rain.

Apr. 23 Bernhard Camp Idenburg R. Netherlands New Guinea 75 m.

29 mouse traps, 25 rat traps, 27 shrew traps, 570 snares. — 3 Echymipera, 1 Phascogal.

Shot 2 Emballonura, 1 Pipistrellus

Today tended traps, prepared specimens, and packed equipment for breaking camp.

Evening set for bats.

Weather: Overcast, intermittent rain.

Apr. 24 Bernhard Camp Idenburg R. Netherlands New Guinea 50 m.

29 ~~rat~~ mouse traps, 257 rat traps, 27 shrew traps. 602 snares — 1 Phascogal.

This morning broke camp and moved

to the main camp some ½ hrs. distant (NNW). Spent part of the morning and most of the afternoon in search of dry land along the edge of the lower lagoon. Evening set for bats.

Eitman and Zielton (Gold Mines) still moving in men and equipment to our camps.

Weather: Overcast. Heavy evening rain.

Apr. 25 Bernhard Camp Idenburg R. Netherlands New Guinea 50 m.

602 snares — 3 (2 Juv.) Echymipera., 2 Uromys.
Shot 3 Dobsonia., #4 2 Hypsiprymnus.

This morning searched for suitable trapping localities along dry banks of the small river entering at the head of the lagoon. There are a number of dry patches of forest along the river bank itself which should be suitable for snares.

Afternoon set 21 mouse traps, 253 rat traps, 27 shrew traps. The mouse and rat traps are set along the west edge of the lagoon south of the camps. There there still remains a large strip of land which is not inundated although it is in the water and all will be under. The shrew traps are set along the lower mountain slope S W of camp.

Weather Overcast with occasional rain. Nightly rain. Water of Idenburg still rising.

Apr. 26 Bernhard Camp Idenburg R. Netherlands New Guinea 50 m.

21 mouse traps. 253 rat traps. 27 shrew traps, 602 snares — 2 Echymipera.
Shot — / Pyjistellus.

This morning tended traps, prepared specimens and spent several hours in the inundated forest to the east of the lagoon. No mammals seen although some time was spent in poking

General Account

about the ~~camps~~ camps on the trees. On leaving the forest through rather thoroughly.

Afternoon went in search of Pteropus which M. Storm had seen this morning. They were found in the second growth trees of the end of the lagoon; some 300 or 400 individuals.

Evening at the bats, obtained 2.

Weather: Broken overcast with nightly rain. Still high water; rising slightly.

Apr. 27 Berrkard Camp 2 Idenburg R. Netherlands New Guinea 50m.

21 mouse traps, 253 rat traps, 27 stub traps, 652 snares — 2 Echymipera, 1 Hydromys, 1 Melomys Shot — 1 Pipistrellus, 1 Emballonura, 18 Pteropus.

Day spent in preparing specimens. Evening out for bats.

Weather: Overcast with occasional breaks; rain in evening.

Apr. 28 Berrkard Camp 2 Idenburg R. Netherlands New Guinea 50m.

~~25~~ 21 mouse traps, 253 rat traps, 27 stub traps, 712 snares — 0

Shot 1 Pipistrellus, 3 (1 juv.) Phalanger, 1 Dobsonia, 11 Emballonura

This morning tended traps, prepared specimens, and spent 3½ hrs looking through the inundated forest in the bend of the lagoon.

Afternoon rat traps. 17 mouse traps, 234 rat traps.

Weather: Overcast with occasional breaks, foggy morning; evening rain.

Apr. 29 Berrkard Camp 2 Idenburg R. Netherlands New Guinea 50m.

17 mouse traps, 244 rat traps, 27 stub traps, 762 snares — 1 Melomys, 2 Rattus sp., 3 (1 juv.) Echymipera, 1 Phalanger.

Shot — 2 Emballonura

This morning tended traps, prepared specimens and spent several hours in the inundated forest south of the lagoon. Afternoon worked in the forest east of the narrows. Evening at fish bate and late at jacking. Shot 1 Pipistrellus & 1 Chromys

Weather broken overcast with large breaks during midday. Heavy night rain. Water still rising.

Apr. 30 Bernhard Camp Idenburg R. Netherlands New Guinea 50m.

17 mouse traps, 244 rat traps, 27 stub traps, 799 snares — 1 ~~Uromys~~, 1 Hydromys, 1 ~~Echymipera~~, Shot — 5 (1 juv.) P. Labiosa, 1 Chromys. Killed — 1 Melomys.

This morning prepared specimens and examined the mouth of the stream coming in at the south of the lagoon and the smaller lagoon to the south of the main one. The stream side may prove profitable for hunting. Afternoon remained in camp. Evening at fish bate and late ~~at~~ spent an hr at jacking. Shot 1 Chromys.

Weather clear with few scattered clouds. Last night heavy rain. Water at standstill today; ~~camp~~ rgs shot 2 cm. last night.

This evening Archbold gave us a rebroadcast of the talk he gave to the U.S. this morning. The rebroadcast was by record made in Berkeley and played for our benefit. Could understand only about 75% of it.

May 1 Bernhard Camp Idenburg R. Netherlands New Guinea 50m.

17 mouse traps, 244 rat traps, 27 stub traps, 853 snares — 5 (2 juv.) Echymipera, 2 P. kaseyal Shot — 5 Emballonura, 1 Pipistrellus, 1 Chromys

This morning tended traps, prepared specimens, and hunted in the sago swamp SW of camp. It is semi-inundated at present

General Account

high water. There a number of pig tracks, and some signs of what appeared to be bandicoots. Afternoon spent about camp tending to rats and drying of specimens as well as noting for evenings work. Evening out for bats, shot 2. Left at jacking but returned early because of heavy rain.

Weather: Clear with scattered shifting cloud. Heavy rain this evening. Water rising slightly, 30+ cm since yesterday afternoon.

May 2 Bernhard Camp Idenburg R. Netherlands New Guinea 50 m.

17 mouse traps, 244 rat traps, 27 steel traps, 893 spares — 1 Rhaeogale 2 (1 juv.) Echymipera. Shot — 1 Pipistrellus, 1 Rhinonycteris

Early morning was spent in taking care of specimens. Remainder of day spent on trip up the Idenburg River. Went down the lagoon and at the mouth, followed up the east side of the river for several kilometers (1 kilometer past the island, and down the west side of the river. At frequent intervals I examined the broken strips of land along the river edge for mammal signs although the soft clay would hold tracks there were none nor even traces of birds. Found Ptilopus hanging up in the cane grass. Country = Papuan shelters. They were apparently trapping bird and bat eating rats. The water is light, silty (light gray), and with scattered floating logs along the course. The bank along the river edge varied in height from 6 in to 2 ft to 6 ft above the water level. Current about 6 km. per h.

May 3 Bernhard Camp Idenburg R. Netherlands New Guinea 50 m.

17 mouse traps, 244 rat traps, 27 steel traps, 893 spares — 1 Phalanger, 3 (2 juv.) Echymipera. Shot — 1 Pteropus, 1 Emballonura, 1 Phalanger.

This morning tended to specimens and went

hunting about the head of the lagoon. I saw 3 of the large sp. of Ptilopus hopping in the second growth vegetation bordering the lagoon. They were near where the colony was seen some days ago. Also shot 1 Ptilopus m. which was in the large forest trees bordering the lagoon. Returned afternoon. Late afternoon took up the rat and mouse traps set at the point. Tomorrow they are to be set at the other side of the river.

This morning 2 turtles were taken from the traps set on the exposed land (above the flood) at the mouth of the small stream coming into the lagoon. It was in a similar spot that Rand found the 3 eggs (alcoholic) several days ago.

Evening out for bats, shot 1. Later out jacking; shot 1 Echymipera, saw large and small bats.

Weather: Broken overcast; water down 10-15 cm.

May 4 Bernhard Camp, Idenburg R. Netherlands New Guinea 50 m.

27 stake traps, 943 snares — 0

Shot 1 Echymipera, 1 Dobsonia, 1 Emballonura

This morning early left with 8 Dyaks for the forested bank of the Idenburg River some ½ km up stream across from the mouth of the lagoon. Set 218 rat traps and 7 mouse traps. The boys made snares and I spent my time hunting through the forest. The silt which covers the ground holds the tracks well and so much was to be learned from studying the silt deposit. Cassowary tracks very common. Bird tracks large and small common especially about the sago breaks bordering the river. Pig tracks a few. Rat tracks scarce, since only about the sago thickets bordering the river. Returned from the river this evening too late to go out jacking.

General Account

Weather: Early morning low overcast; breaking during middle of day; evening rain. Water going down 20-30 cm.

May 5 Bernhard Camp 2 Idenburg River Netherlands New Guinea 50 m.

7 mouse traps, 218 rat traps, 986 snares.
27 stub traps — 1 Melomys, 1 Rattus sp., 1 Echymipera.
Shot — 1 Phalanger.

This morning tended traps to the other side of the Idenburg and remained there hunting until about 11:30. Evening out for bats, shot 1 Rhinopycterix.

~~Two boats of the~~ The gold-mine planes, a Grumman, sank in Sentani Lake after some spinning while landing. Three hurt; the pilot a total loss. The fate of the 11 men which remain at the camp here is as yet undecided. Perhaps they will obtain another plane, or perhaps they will go at to Hollandia. It is the Guba.

Weather: Early morning rain, clearing about 9:00; ~~followed~~ by shifting clouds. Rain in night.

May 6 Bernhard Camp 2 Idenburg R. Netherlands New Guinea 50 m.

7 mouse traps, 218 rat traps, 27 stub traps, 1055 snares — 2 Echymipera
Shot - 1 Rhinopycterix

Today spent about camp packing specimens, etc. etc. in preparation for return to Hollandia.

Evening out for bats.

Weather: Broken overcast clouds heavy in morning with infrequent rain; clearing in midday.

May 7 Bernhard Camp 2 Idenburg R. Netherlands New Guinea 50 m.

7 mouse traps 218 rat traps, 27 stub traps, 1055 snares — 4 (1 juv.) Echymipera, 1 Hydromys, 1 Rattus
Shot — 9 Embelonura, 2 Phalanger.

The day spent in packing specimens, skulls and doing odd jobs in preparation for our move out to Hollandia.

Weather: Lays shifting clouds, much sunshine; evening rain.

May 8 Bernhard Camp Idenburg R. Netherlands New Guinea 50 m.

7 ~~mice~~ rat traps, 218 rat traps, 27 skink traps, 10 55 snares. — 1 Uromys, 3 (1 juv.) Edgeworthia (discarded)

Shot 2 Carbalorus

Today finished packing specimens and equipment ~~to~~ to be taken by Hollandia tomorrow morning. Weight of my specimens, barring plus special equipment was about 295 kg.

Weather: Rain overcast with shifting clouds; much sunshine.

May 9 Hollandia Netherlands New Guinea sea level.

No traps.

This morning on the 1st flight Rand, I, and 17 others left Bernhard Camp on the Guba and arrived in Hollandia. The Guba made a total of 2 flights today bringing out 19 persons plus cargo.

Today spent checking and packing birds, mammals, and skeletons for shipment to America.

May 10-21 Hollandia Netherlands New Guinea sea level.

No traps.

These days were spent in packing and crating boxes of specimens, camping, ~~and~~ personal effects to be sent to New York. All is in order.

The Guba left on the 13th for Sydney taking with it the crew plus Rawson and Rand. Rand and Archbold are going as far as Townsville and then taking plane to Java. Guba going to Sydney for check before flight

General Account.

across Indian Ocean, Africa, and Atlantic to New York.

There are 6 tree climbing kangaroos in my charge which are to be exported alive. 1 is destined for Soerabaya Zoo, one for the Sydney Zoo, 1 pair to American Zoos. Hope they survive the trip through Australian Winter.

May 22 K.P.M. steamship Van Imhoff

Left Rotterdam yesterday evening about 20:00. Anticipate a pleasant trip homeward.

End.

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